Amazing AMIGA Product Guide: Spring '89

THE COMPLETE AMIGA RESOURCE #1

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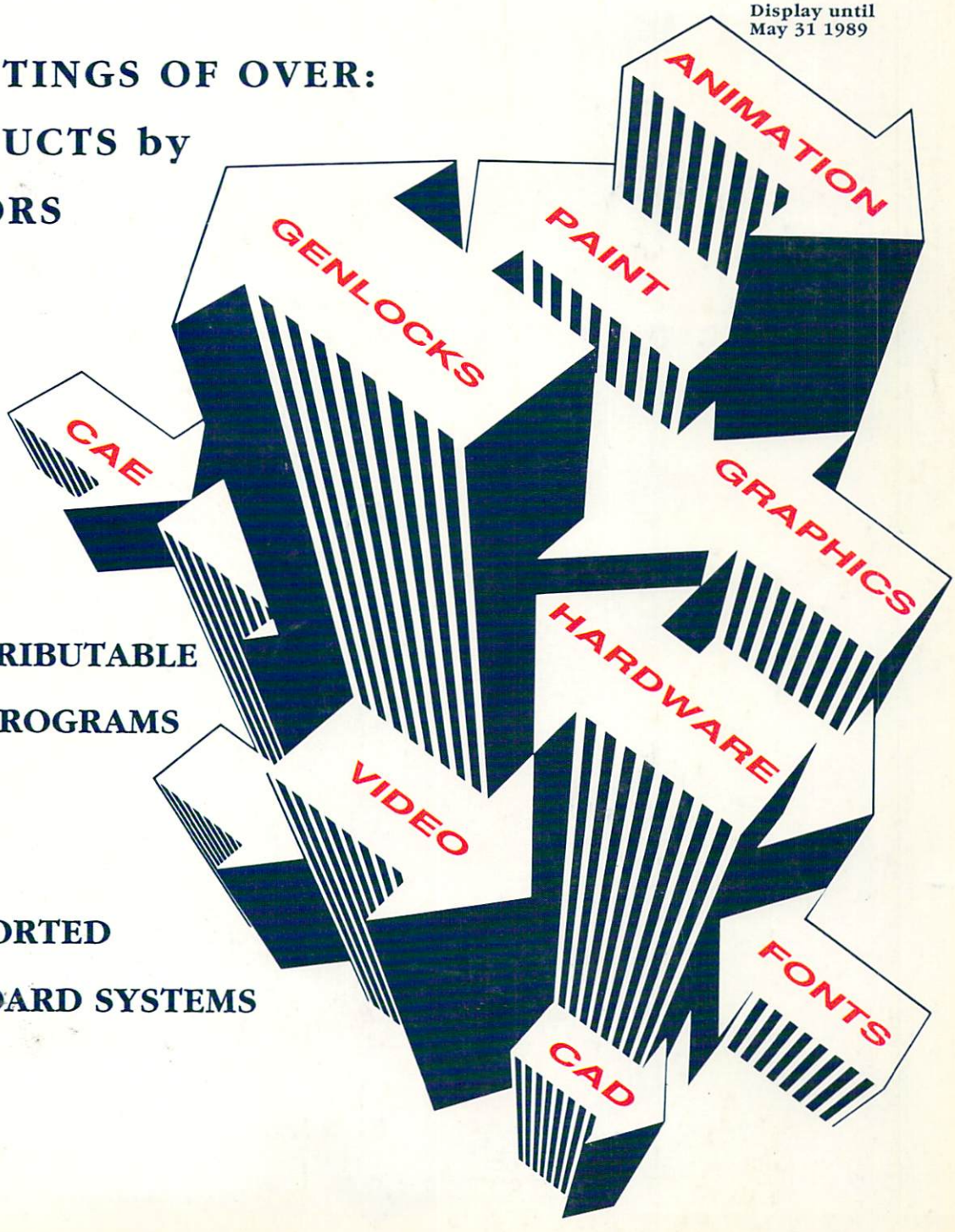

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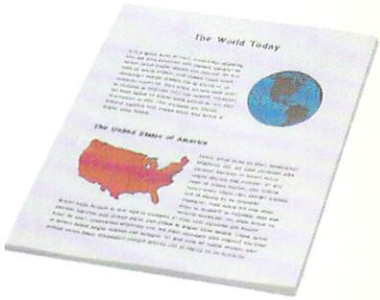
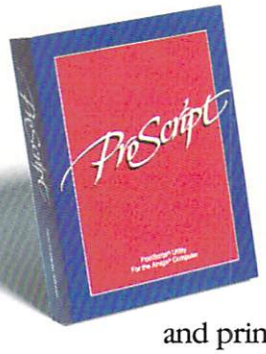


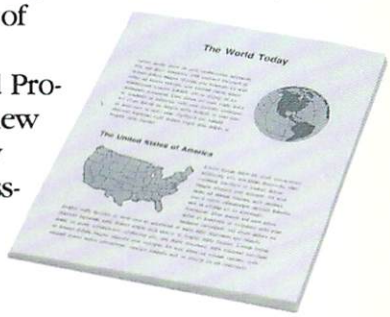
All this, plus ProWrite's powerful editing capabilities and ease-of-use combine to make ProWrite the best word processor for the Amiga computer.

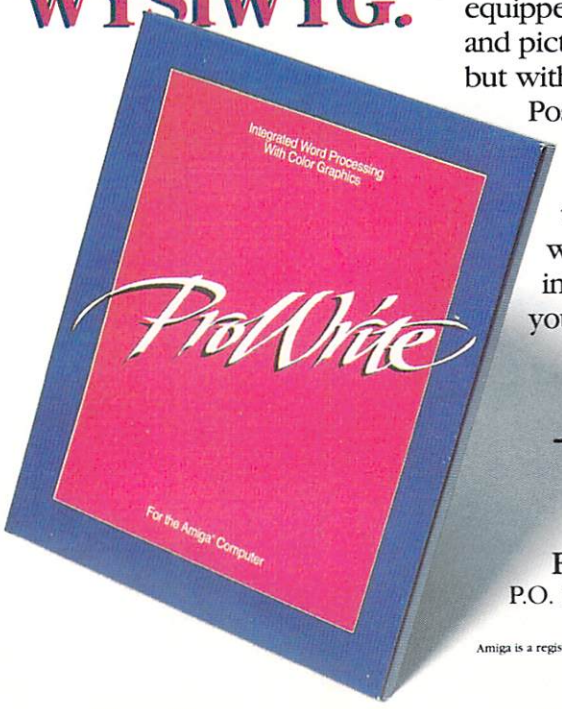


ProScript: Perfection In Print For The Amiga.

ProScript is the new PostScript utility from New Horizons Software that gives you the professional look of typeset copy. ProScript reads ProWrite files and prints them on any PostScript equipped printer, giving you the same multiple font and picture capabilities you expect from ProWrite, but with the typeset quality of PostScript printing.

ProWrite 2.0 and ProScript. A powerful new team that puts a new world of word processing and printing at your fingertips.





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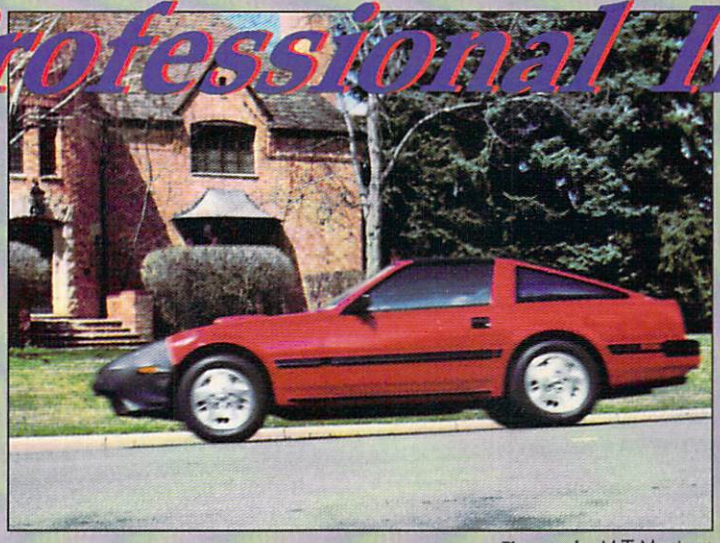

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FRAMEGRABBER™
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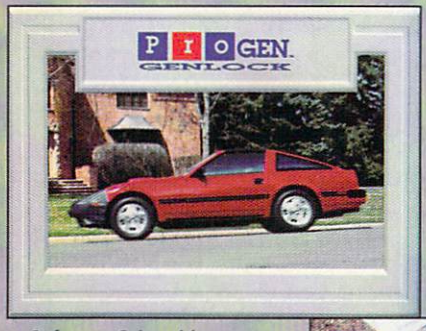
Captures 4096 colors in 1/30th of a second

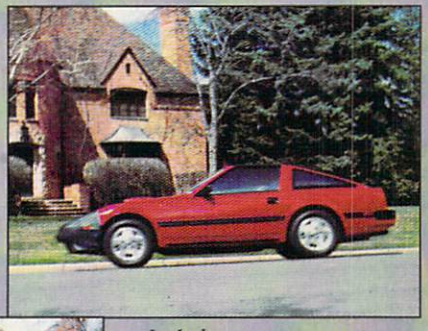


ProGEN is a must for Amiga desktop video! Editing studios, artists, television studios, in-house production departments can all use **ProGEN** with their Amiga 500, 1000 and 2000

- Make your own desktop video productions
- Overlay Amiga Graphics on any video signal
- Transfer images from your Amiga to VCR

FrameGrabber Real-time Video Image Digitizer for the Amiga 500, 1000 and 2000

- Grabs images from VCR or home video camera
- Captures color images in 1/30 of a second (1/60 of a second for black & white)
- Supports screen resolutions from 320 x 200 to 640 x 400 Also supports overscan (352 x 240)



- Software-Selectable Foreground, Background, Amiga Out and Video In
- Select one of 32 colors as transparent for video effects
- Now available from Progressive Peripherals & Software, Inc. or your local dealer
- Meets RS-170A standards

- Includes image processing software from the creator of PIXmate!
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Please Note: The descriptions and other information presented in this listing is based on many different sources, including manufacturers claims. The following descriptions are not presented as a review of these products. Please use this guide as background information only to increase your awareness of the Amiga marketplace.

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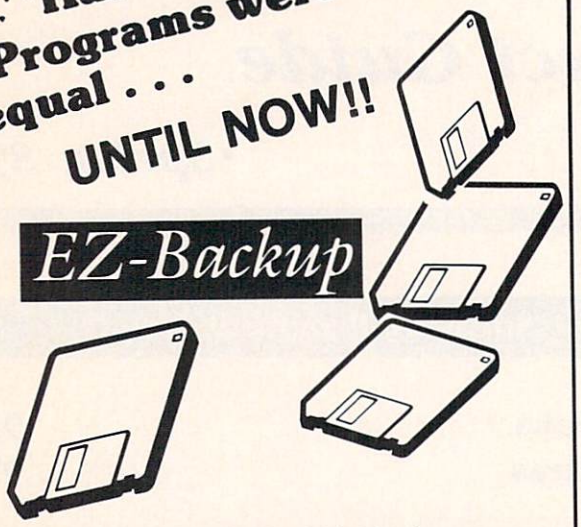

100% better than any other hard drive back-up program
EZ-Backup is a genuine breakthrough

EZ-Backup actually manages the space on your backup disks--

Before EZ-Backup the only way to get rid of the piles of incremental back-up disks that littered your desk was to do another full back up. This method is inconvenient and requires a whole new set of unformatted floppy disks.

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EZ-Backup prevents you from damaging valuable data--
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EZ-Backup uses Standard Amiga format--
Files are archived in standard Amiga format and work with all standard utilities.

EZ-Backup provides easy recovery of individual files--
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(Amiga-DOS version 1.2 or higher)

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* Upgrades provided free for the first six months after program purchase!
* Free telephone support!
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* Complete manual with examples

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Circulation Manager:	Doris Gamble
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Corporate Trainer:	Virginia Terry Hicks
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EDITORIAL

Managing Editor:	Don Hicks
Editor:	Michael Creeden
Hardware Editor:	Ernest P. Viveiros Sr.
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Advertising Manager:	Alicia Tondreau
Marketing Assistant:	Melissa J. Bernier

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Tennessee
ComputerLab of Memphis — Memphis
Computer Hardware Services — Nashville
Data International — Hickson
The 64 Store — Bartlett
Texas
All Systems Go Software — San Antonio
Amazing Computer Systems — Carrollton
Bookstop — Houston
Bookstop — San Antonio
Byte Shop — Austin
C.E.M. Corporation — Brazoria
Computer Age — Houston
Computer Magic — Austin
Computer Skills — Eules
FNS Computer Services — Texarkana
IMaxwell Book Inc. — Desota
Metropolitan Computer — Richardson
Micro Search — Houston
Software Library — Witchita Falls
Software Terminal — Fort Worth
The Computer Experience — San Antonio
The Computer Stop! — Amarillo
The Federated Group — Mosquite
Utah
Magazines and Gifts — Salt Lake City
People's Computers — Provo
Vermont
Ray Supply Inc. — South Burlington
Virginia
Family Computer Center — Fairfax
Family Video & Computer Center — Newport News
I/O Computer — Norfolk
Software City — Richmond
Tract Software — Prince William
Virginia Micro Systems — Woodbridge
Washington
Amazing Electronics — Spokane
A.P.P.L.E. CO-OP — Renton
Apple Valley Computers — E. Wenatchee
Bellingham Computer Center — Bellingham
Bits, Bytes and Nibbles — Spokane
Bull Dog News — Seattle
Byte World — Kent
Computer Exchange Services — Bellingham
Computer Quest — Edmonds
Computers + Inc. — Tacoma
Family Computers — Everett
Micro Age Computer Store — Bellevue
Nybbles & Bytes — Tacoma
Omni International — Seattle
Port Book and News — Port Angeles
Programs Plus — Seattle
Real Time Systems — Seattle
Take A Byte — Kennewick
The Computer Shoppe — Vancouver
Tower Books — Bellevue
Y Not Magazines and Boks — Federal Way
Wisconsin
20th Century Books — Madison
Computer Software Center — Milwaukee
Fox Valley Personal Computer — Oshkosh
Madison Programmer's Guide — Madison
Maytair Computers — Milwaukee
Mort's Computers — Stevens Point
River City Software — La Crosse
Software City — Racine
TMW Software Inc. — Wausau
Wyoming
Byte Emporium — Laramie
Computer Works — Laramie
Crazy Mountain Electronics — Casper

Outside of the United States

Canada
Compute or Play — Alberta
Computerworks — Alberta
Computer Shop — Alberta
Data Pro — Alberta
Computer Shop of Calgary — Alberta
The Software House — Alberta
Hindsin Computing — Alberta
Red Deer Micro Systems — Alberta
Memory Land — Alberta
Compu Care — British Columbia
Computer King — British Columbia
Corel — British Columbia
Nutec — British Columbia
Pacific Business Technologies — British Columbia
Sprita — British Columbia
Strider — British Columbia
Super Software — British Columbia
Canadian Computer Era — Manitoba
Micromart — Manitoba
ComputerWorld — Manitoba
J.W. Allen — Manitoba
Kobetak — Manitoba
Minicomp — Manitoba
Arkon — Ontario
Chatam Computer — Ontario
Computerland — Ontario
Compsec — Ontario
Electronics 2001 — Ontario
Hastings Data — Ontario
The Computer & You — Ontario
Thornhill — Ontario
Software Co. — Quebec
Deltronic Solare — Quebec
Mierodata — Quebec
Info Mersier — Quebec
Laval Micro — Quebec
Vision Tronique — Quebec
Distribution Visipro — Quebec
Distributed in Canada by
Ingram Software Distributors — Concord, Ontario
Compulit Distributors — British Columbia
Phase 4 Dist. Inc. — Calgary, Alberta

Argentina
Logic Computer — Buenos Aires
Australia
Computermart — Leederville,WA
Diskworks — Greenwich, NSW
John Verhoeven — Cloverdale, WA
Maxwell Office Equipment — Abbotsford, Melburn
Run Soft — Melbourne
France
A.M.I.E. — Paris
Saudia Arabia
Abdulla Fouad & Sons — Daman
Scotland
The Amiga Center of Scotland — Edinborough
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Nicholas Pearson — Lund
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Greenville Trading & Import — Oberursel

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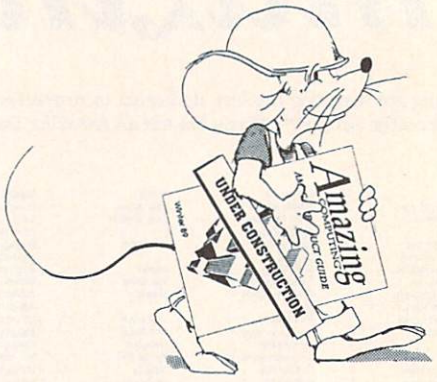
From the *Product Guide* Editor



It's here. Take down those Under Construction signs, the Amazing Computing Amiga Product Guide is finished. It's taken a while, but we didn't want to ship until we felt we had included every Amiga product we could find—and finding it all wasn't always easy. The Amiga market is rich in innovative development, but that development is not always well-publicized. Some of the most exciting products are created by small developers who don't have multi-million dollar advertising campaigns to bring their products to the Amiga public. But Amiga consumers need to know about the bounty of excellent products available for the Amiga. That information, as much as we could gather, is included in this, the first full-length Amazing Computing Product Guide for the Amiga.

The size of the project became evident immediately. So many developers are out there, producing so many excellent products, that the product guide kept growing. And growing. As the Product Guide continued to expand, time continued to contract. As each day of our "at press" stage passed, a new product was released. Each one had to be listed. Then an updated version of an old favorite became available. Couldn't leave that one out. Writers reviewed exciting new products which had to be listed, we wanted to include them all. Weeks passed quickly as our Product Guide continued to grow.

Yet while we were upset about missing our deadlines, we were excited about the reason: Our Product Guide contained more of the great Amiga products Amiga users needed to know about. As the days passed and we reviewed our information, we became convinced that our Product Guide should be the best and most complete guide we could make—we didn't want to miss anything. So we worked a little bit longer to make it better.

Counting Chickens

You've heard the old saying "Don't count your chickens before they've hatched?" Well with our Product Guide, we were busy trying to make the chickens we had stand still so we could count them, while new chicks were hatching faster than we could count them. Just when we thought we had a section of products organized, developers would release several new products and radically update an old favorite. Counting chickens would have been much easier.

Growth & Success

A big reason for the Amiga's success has been that developers have taken advantage of the Amiga's graphics and multi-tasking power to produce some of the best animation, video, and games software available. Video and animation are the Amiga's strong suit: solid 3D modeling, real-time animation, talking animation, page flipping, and more. Amiga users can create action cartoons with full stereo sound and synchronize sound and color for professional animations. With the Amiga, you have the power to make your own animated music videos by letting your MIDI drive animations or vice versa. Graphics superiority and multi-tasking power make the Amiga the way to go for professional quality animation and graphics.

Amiga games remain top notch, shown by the recent ports of ReadySoft's Dragon's Lair and Buena Vista's Roger Rabbit. But the Amiga is more than a great games machine. Developers are starting to apply the Amiga's graphics, multitasking abilities and stereo sound to areas like business and accounting software, databases, programming—areas where the Amiga is beginning to shine. Amiga databases can manipulate both sound and visuals for multi-dimensional information storage and retrieval. For desktop presentations, the Amiga provides multi-level power, with 3D graphics, stereo sound, and the ability to run different programs through multi-tasking. The Amiga gives your presenatations a power you never thought possible.

Programmers, the Amiga has all you need: from AmigaBASIC, which comes bundled with your system, to Magellan, the latest in artificial intelligence on the Amiga. Programmers contributed immensely to the Amiga's early growth, because the paucity of applications available in the early Amiga days stirred the creative juices of these pioneer Amiga developers. They filled the void quickly, developing applications for this new and powerful multi-tasking, graphics workhorse, the Amiga. The number of applications available today are the fruits of their labors.

Amiga hardware development is also rolling right along, with new releases building on the Amiga's already powerful graphics capabilities. New and more powerful genlocks, digitizers, and frame grabbers are pumping up the Amiga's already powerful video muscles. To meet the needs of Amiga artists, there are graphics tablets, pressure-sensitive digitizers, filters, and graphics enhancers. Numerous input devices provide video artists with the tools they need, while they ease the interface between human input and computer-powered output. More powerful monitors are being developed to enhance the Amiga's video power.

But there is more to Amiga hardware than just graphics enhancers. Hard drive capacity keeps increasing, as does the demand for hard drives, while hard drive prices continue to fall. Bridgeboards allows the Amiga to connect to the MS-DOS world while you continue to run Amiga tasks. Accelerators and memory boards will pump up the Amiga's memory and increase its speed with little installation hassle. As each month passes, new hardware releases extend the Amiga's capabilities even further—witness ASDG's Twin-X, which is opening doors for industrial applications for the Amiga.

It all adds up to a great selection of exciting Amiga products—and a very large product guide.

Inevitably, someone will be left out—but not without a fight from us. Our Product Guide has been in "final" production for about two months now. Each time we thought "That's it, we're ready go to press," a FAX came in, or a slightly late product description sheet finally made its way to our office, or an AC staffer discovered a misplaced product description sheet. We had to hold back because we didn't want to leave anything out. We had set out to provide the Amiga community with a complete product guide, these were Amiga products so they had to be listed.

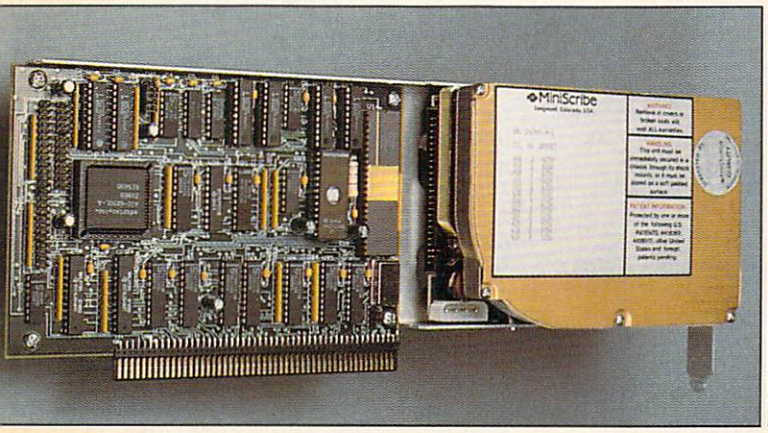
The time it's taken to produce this Product Guide is a testimony to the to the growing Amiga market, with its constantly changing, constantly improving nature. It is also a testimony to the stubbornness of a magazine that would not quit until it was satisfied their product represented the Amiga's growth completely.

A special thanks goes to all the developers who sent in their product information, FAXed in late information, or answered our telephone questions. Without your support the task would have been impossible instead of incredible.

Michael Creeden

HardFrame/2000

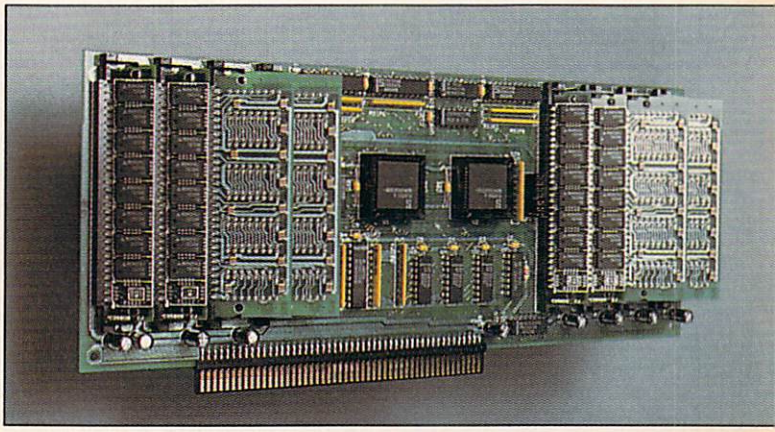
The Super-speed, DMA, SCSI Hard Disk Interface with 1.3 Autobooting



How fast is fast? **HardFrame/2000** transfers data at Amiga bus speeds! It's actually faster than the hard disk mechanism itself! And even more important in the Amiga's multitasking environment, **HardFrame/2000** has extremely efficient DMA circuitry to get on and off the bus in almost no time at all: 280ns to get on; 200ns to get off. **HardFrame/2000** autoboots under AmigaDOS™ 1.3 and is fully compatible with the new Fast File System. The core of any DMA SCSI interface is its SCSI protocol chip and DMA chip. MicroBotics has chosen the new, high performance Adaptec AIC-6250 SCSI chip, capable of up to 5 megabytes per second raw transfer speed, and the Signetics 68430 DMA chip running at 12.5 megahertz. Then we added additional FIFO buffering and enabled 16-bit wide data transfers for maximum throughput. The sophisticated design of **HardFrame/2000** provides for automatic SCSI arbitration, selection and reselection. The hardware supports either synchronous or asynchronous data transfer. **HardFrame/2000** can function as either the SCSI bus initiator or the target and can reside in a multiple master environment. Physically, **HardFrame/2000** is optimally flexible: the compact, half-size card comes attached to a full length, plated aluminum frame. The frame has mounting holes positioned to accept standard, 3.5" SCSI hard disk units such as those manufactured by MiniScribe, Seagate, Rodime, and others (hard disk mechanisms must be supplied by the user or his dealer as a separate purchase item). Alternatively, you can cable-connect to a SCSI drive mounted in your Amiga's disk bay or in an external chassis. As many as seven hard disks may be connected to a single HardFrame. There is no size limit on each disk. **HardFrame/2000** includes a 50-pin SCSI cable and header connectors for either 50-pin or 25-pin cable connection. Also included is a current tap to power frame-mounted drives directly from the slot itself. **HardFrame/2000** comes complete with driver, installation, and diagnostic software. Available September 1988. Suggested list price, $329 (hard disk not included).

The HardFrame/2000 photo shows the product with a MiniScribe 20 megabyte hard disk installed. Hard disks are not included in the purchase price of HardFrame. Note that if placed in the first slot, HardFrame uses only one slot.

8-UP! The Eight Megabyte Memory Card with Amiga™-specific DRAM Controller Logic



All the memory space you and your Amiga 2000 need –in a modern, highly integrated FastRAM expansion board. In **8-UP!**, MicroBotics went all the way to provide you with a truly Amiga-specific memory design to meet the special demands of the Amiga's high speed multitasking environment: The heart of any memory expansion is its *DRAM controller circuitry*. Rather than compromising with off-the-shelf parts, MicroBotics developed its own, custom controller design and built it into high-speed, *Programmable Macro Logic* chips (Signetics PLHS501). These new, super chips (each **8-UP!** uses two PML's) permit MicroBotics to employ *sparse refresh* technology to assure that your **8-UP!** is a truly zero wait-state/minimal-refresh-collision memory design. If you're putting eight megabytes in only one slot, that means that you probably have plans for your other A2000 slots. **8-UP!** gives you new freedom to do that planning since, unlike other ram peripherals, it is an extremely low-power memory card– a single, fully-loaded, 8-megabyte **8-UP!** draws an astoundingly efficient 0800 milliamps! That's less than *two-fifths* of the power "budget" for a single slot! Low power draw also means that the card is cool-running for reliability and long life (not to mention a cooler Amiga!). **8-UP!** offers you maximum flexibility in memory configuration: it is organized into two separate *PIC's* (Amiga-speak for autoconfiguring peripherals). Each **8-UP!** PIC consists of four SIMM module sockets; these sockets accept either 256k-byte or 1 megabyte *SIMM's* (Single Inline Memory Modules). You can also purchase optional *PopSIMM* boards from MicroBotics; fill them with conventional RAM ; then use PopSIMM's to fill your **8-UP!** The card can run with as little as 512k of memory or as much as eight megs –with many intermediate configurations possible (particularly the six megabyte configuration, most desirable for use with a BridgeCard™). **8-UP!** is speedy, efficient, custom memory technology for your Amiga 2000 –and it's available now! **8-UP!** suggested list price is $199 (0k installed). Optional **PopSIMM's** are $49.95 per pair.

The 8-UP! photo shows the card half populated with conventional SIMM modules and half with MicroBotics PopSIMM's. PopSIMM's (without DRAM installed) are available as separate purchase items.

MicroBotics, Inc.

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Entertainment

AmigaGames
One of the greatest tests of a computer is its ability to handle problem solving situations. With the Amiga, you are exposed not only to numeric problems, but also problems in graphics and sound: games. The Amiga's multitasking capabilities and its ability to use both graphics and sound simultaneously creates a constantly challenging environment for the programmer— and a very entertaining one for the user.

The Amiga's ability to simulate the graphics of arcade games—witness the recent ports of Dragon's Lair and Roger Rabbit—attest to its reputation as the games machine for personal computers.

1987 College Football Data Disk
Speed and strength ratings for all 1987 Big Eight and 12 Top 20 college football teams. For use with Gridiron! Includes USC, UCLA, Texas A&M, Michigan State, and Notre Dame. $14.95 *Beta Software*

4 in one!
Easy but fun. Four new and different games all on one disk. Play Slotcars, a fast action game for 1 or 2 players. Or entangle your opponent in a maze of wires in CircuitMania, for 1 or 2 players. Then try your hand at ShufflePuzzle, similar to sliding number puzzles but using beautiful color pictures. Finally, Follow That Tune by watching the bouncing boy jump from pedestal to pedestal playing a tune. $29.95 *Polyglot Software*

4 x 4 Off Road Racing
Choose your own vehicle, race across grueling terrain against the clock, the computer, or another opponent. $39.95 *EPYX*

4th & Inches
Joystick-controlled football simulation with spotter's P.O.V. from the press box. Players' energy levels decrease according to plays. $44.95 *Accolade*

4th & Inches Team Construction Disk
Used with 4th & Inches, assemble your own teams for play. $14.95 *Accolade*

A Mind Forever Voyaging
Journey into the future as the first conscious intelligent computer in an anti-Utopian world. $14.95 *Infocom*

Aaargh by *Arcadia*
3-D hand-to-hand combat adventure featuring Cyclops or Godzilla on an action-packed quest for the Golden Dragon's egg. Rampage through frontier fortresses, a medieval castle, Mayan ruins, Egyptian temples, and everything else in sight. $34.99 *Electronic Arts*

Advanced Dungeons and Dragons: Heroes of the Lance
Enters you along with eight skilled companions into the ruins of the temple Xak Tsaroth. Here you will battle against Khisanth's evil creatures for the magic key. $39.95 *Stratigic Simulations*

Adventure Construction Set
One to four players can build their own graphic and text adventure from a library of existing playfields, characters, weapons, objects, and sounds. Or create game paraphenalia of your own design. High resolution, realistic sound. Pre-defined themes include: fantasy, contemporary mysteries, spy drama, and sci-fi. $19.95 *Electronic Arts*

Age of Sail
Relive 17th-19th century tactical naval battles. 2-40 players. Play on one Amiga, via null modem, or via bulletin board service. $39.95 *Conflict Recreations, Inc.*

Airball
The Evil Wizard has turned you into an Airball—with a slow airleak. You must search over 300 rooms to find the spellbook, which contains the ingredients needed to turn you back into a human. Hurry, before you run out of air. $39.95 *Microdeal*

Ajax
Engage in intense combat with jet fighters, tanks, ships, helicopters, and aircraft carriers as you try to save the Earth. Features alternate play against the computer. Joystick and mouse optional. Available March 1989. $39.95 *Konami Inc.*

Alien Fires-2199 A.D, by Paragon
Scientific role-playing. Assume the role of Time Lord, a mythical time traveler, and seek out a time machine you must destroy at all costs. Customize your character: decide on strengths and weaknesses in fighting, diplomacy, dexterity, etc. Rock soundtrack, digitized sound, speech synthesis. Smooth scrolling 3D color graphics. Sophisticated character interaction. $39.95 *Electronic Arts*

Alien Syndrome by Sega
Players must rescue their comrades who are trapped inside an alien-infested genetic laboratory. You must destroy the evil mutants before the lab's self-destructing mechanism explodes—with them in it. $49.95 *Mindscape*

Alternate Reality: The City by *Datasoft*
Fantasy role-playing adventure game. Explore The City, fully populated with new creatures. Secret doors lead to adventure. Internal clock times sunrise and weather. $39.95 *Electronic Arts*

Amegas
Bounce, shoot, slam, and juggle your way through this 40-screen game. $34.95 *DigiTek, Inc.*

Andromeda Mission by *Demonware*
As a player, you are elected to save the human race from an evil unknown to mankind. (retail sales only) $39.95 *American Software Distributers*

Annals of Rome by *DataSoft*
You are the leader of the ancient Roman senate dated back to 273 BC. Foreign and civil wars. $34.95 *Electronic Arts*

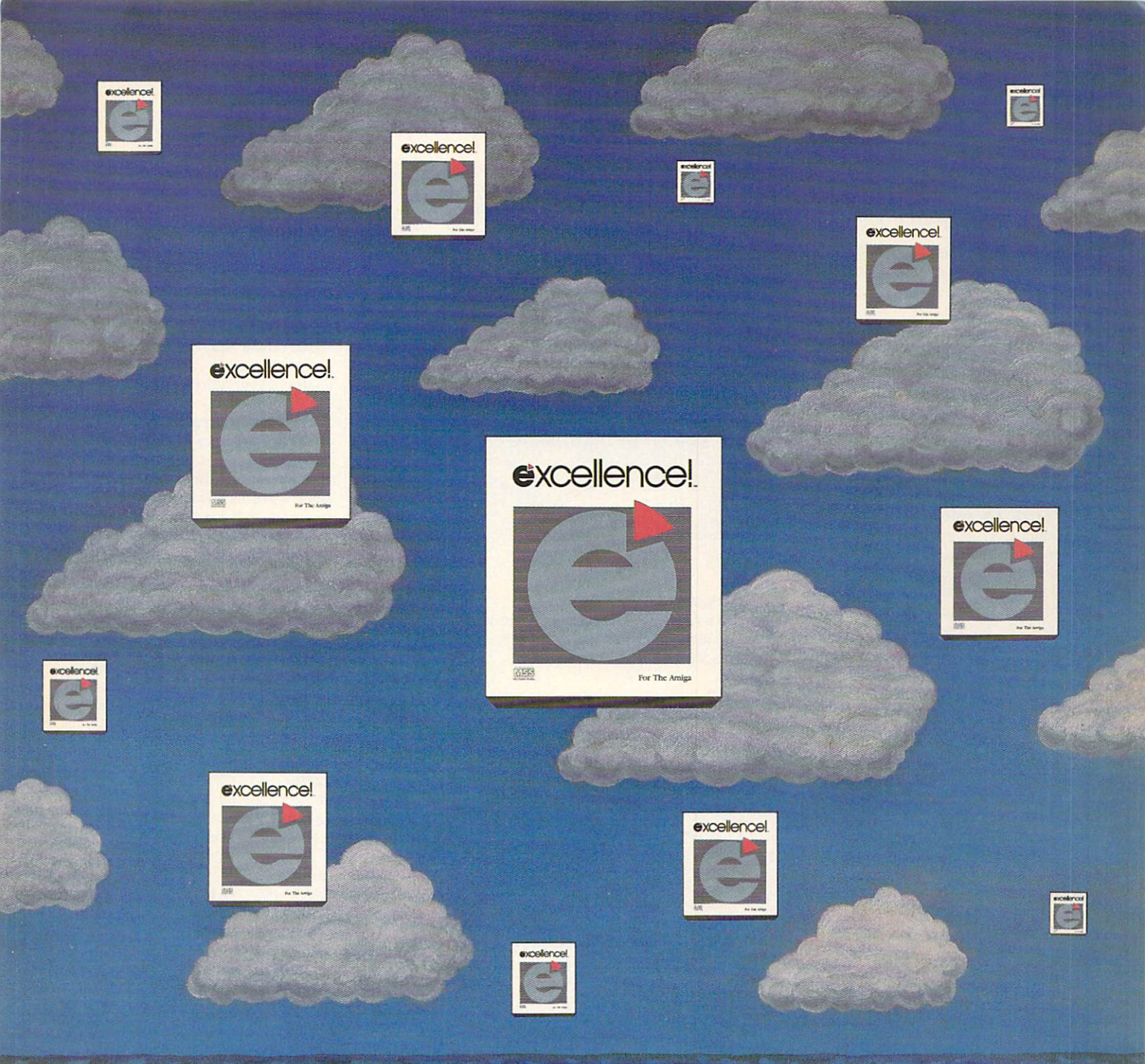
Aquavetura
Multi-level arcade game that moves solid objects, on a fully featured smooth scrolling 3D playfield at phenomenal speed. A product that stretches 16 bit technology to its limits in graphics, sound, gameplay and cubic destruction. $39.95 *Psygnosis Ltd.*

Arazok's Tomb
You're the reporter, investigating a story about an ancient underground city rebuilt in a land of the supernatural, diabolical, and deadly. Full of mystery, magic, and evil. $39.95 *Aegis Development, Inc.*

Archon
Chess-like strategy from the Software Classics™ library. $19.95 *Electronic Arts*

Archon II: Adept
More strategy with all new characters and a different object. From the Software Classics™ library. $19.95 *Electronic Arts*

Arcticfox
Use your high-tech snow tank to defend the South Pole from alien invaders. 3-D landscapes, varying terrain, changing weather, more. $39.95 *Electronic Arts*



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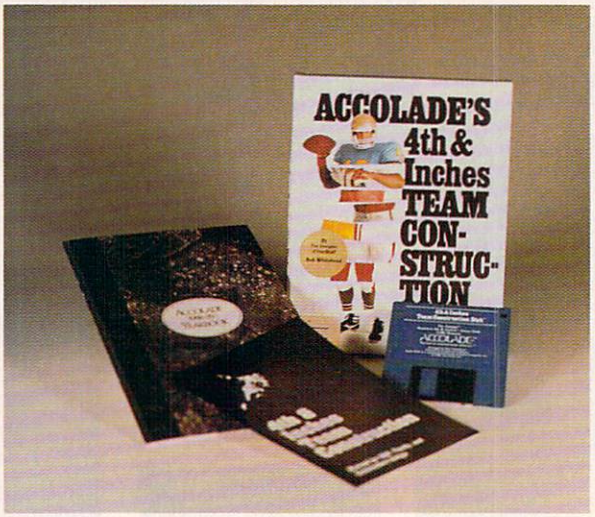
Entertainment



Arena
What kind of shape are you in? Find out in track and field events. $39.95 *Psygnosis*

ARKANOID
Brick and paddle arcade game. Digital stereo sound, 66 levels of play. $29.95 *Discovery Software International*

Art of Chess
Play with the Grand Masters, beautiful graphics. $24.95 *Anco Software USA Inc.*

Aunt Arctic Adventure
New multi-level arcade game with challenges and surprises for the experienced gamer. Charlie the Chimp has talked his good friend Penguin Pete into helping him rescue his Aunt, who has been kidnapped by Big Borus, the evil ringmaster, who has forced her to work in his circus in the Arctic. You must battle your way through each of 50 levels. Full stereo sound effects and music. 5400 full-color screens. $39.95 *Mindware International*

Autoduel by *Origin*
Build the biggest, baddest, heaviest armed car you can to carry out an FBI mission. An adaptation of Car Wars, the package includes one disk, a road map, driver's handbook, and a tool kit. $39.95 *Broderbund Software, Inc.*

Awesome Arcade Action Pack by *Arcadia*
Three great arcade games: Sidewinder, Captain Zod, and Blasta Ball. In Sidewinder, you'll pilot a spaceship through 3D scrolling screens to kill the alien Star Killer. Captain Zod leads you through 14 levels of attack from vicious Xenon aliens. Blasta Ball is 37th century ice hockey. $49.99 *Electronic Arts*

BAAL
Addictive mixture of strategy and arcade action featuring: 8 way scrolling through 3 distinctive domains, multi-level. More than 100 monsters and 400 traps.You are the leader of the Time Warriors. Can you save earth from the evil BAAL? His army of undead have stolen an awesome weapon of destruction, a War Machine. Can you succeed in fighting off his monsterous demonic beasts? The alternative is literally 'Hell on Earth'. Price unavailable. *Psygnosis Ltd.*

Bad Dudes by *Data East USA, Inc.*
Intense street fighting action game. Available February 1989. $44.95 *Accolade*

Balance of Power
Be a superpower leader in this nuclear-age strategic simulation pitting the U.S. against the U.S.S.R. $49.95 *Mindscape Inc.*

Ballyhoo
Rescue the circus owner's kidnapped daughter in an adventure behind the scenes at a circus. $14.95 *Infocom*

Barbarian
Can you become Hegor the famous dragon-slaying, monster-mangling Barbarian? Can you handle the adventure, the frenzied attacks, the hidden traps? Your quest: To destroy the lair of the accursed Necron. Your prize: The kingdom's crown. You must live on your wits, conquer your innermost fears, use every skill and weapon available to you. $39.95 *Psygnosis Ltd.*

Battle Chess
Mortal combat is the heart and soul of this game, with each piece having its own unique method of attacking any foe. Features 3D animation and a library of over 30,000 moves. A variety of settings pits you against the computer, you against your friends, or the computer against itself. Ten different levels of play, and modem capability allows you to link players in different locations. $49.95 *Interplay Productions*

BattleDroidz by *DataSoft*
3D, animated competition game based on the brutal gladiator games of ancient earth. The Master Computer, Kronos Prime, has designed a series of warzones with 5 levels of difficulty. Players maneuver through landscapes of rolling digital hills, plummeting concrete cliffs, and searing acid pools. Armed with smart bombs and photon guns, the BattleDroidz must conquer each warzone by capturing the energy keys that unlock the entrance to the next zone. $34.95 *Electronic Arts*

Battleship
Based on the board game, Battleship pits you in head to head action against another navy. $29.95 *EPYX*

Better Dead than Alien
Space age game for those brave enough to face the alien menace. You and fearless hero Brad Zoom must battle wave after wave of slimy alien creatures who ooze and slither down the screen looking for a quick lunch. Comical graphics and clever sound effects make Better Dead as much fun to watch as it is to play. $34.95 *Discovery Software*

Beyond Zork
Design your own character to unravel the mysterious disappearance of the Wizards of Quendor. Characters have new weapons and abilities. Includes onscreen map. $49.95 *Infocom*

Bingo Parlor
Talking bingo game for 1 to 10 players. Menu choice of game, speed, voice. 320 x 200 resolution. $19.95 *Silver Software*

Black Lamp
A wonderful, witty, once-upon a time tale with extraordinary animation, fast arcade action and multiple levels for hours of addictive gameplay. This medieval melodrama pits the hero, Jolly Jack, against a host of animated animals. Characters include skull-dropping buzzards, evil eagles and spitting witches to confront the fire-breathing dragon for the Enchanted Black Lamp. Romance, action, adventure, detailed backdrops and excellent animation make this a winner. $24.95 *Rainbird Software*

Black Shadow
Save Earth from a mysterious asteroid, outgun the enemy and bomb key installations. One player or simultaneous combat. $34.95 *Scorpion*

Blackjack Academy
Learn and practice the basics of Blackjack. Five player card table, dollar amounts up to $9999.00, card toggles on and off. Use multiple table rules (Reno, Las Vegas, Atlantic City) or customize your own table. Pull-down help menu, color selectability, play strategies, game save and retrieve. Also includes quick reference card to help you make the best decision. $39.95 *MicroIllusions*

Entertainment

Blitzkrieg at the Ardennes
WWII battle simulation game. Full color graphics, digitized sound. $52.95
Command Simulations

Block Buster
Knock down barriers by batting the bouncing ball. Make sure you avoid the sun bombs and catch those falling tokens. 9 weapons, 80 levels. Use the designer feature to build up to 48 more screens. $39.95 *Mindscape*

Bomb Busters
Defuse bombs through 100 levels of play on two disks. Save the world from terrorists. $29.95 *ReadySoft, Inc.*

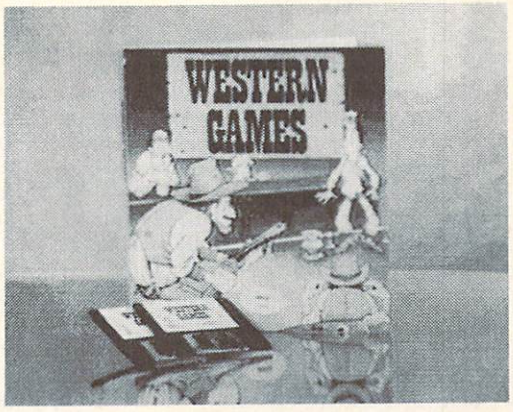
Boot Camp
My name is Sgt. J. T. Tailkicker, and I'm gonna whip you into shape. Your lungs will burn on the obstacle course. Your fingers will cramp on the firing range. Your muscles will ache during the chin ups and arm wrestling. Your stamina will suffer in the iron man race. And if there's anything left of you, I'll give you a shot at me. Can you take it, boy? You'd better. Terrorists have attacked our emabassy, and America's depending on you to save the day. Features alternate play for 2 players or one against the computer. Joystick and mouse compatible. Available May 1989. $39.95
Konami Inc.

Bowling
Bowling action game. Player uses the mouse to throw the ball. $19.95
Silver Software

Breach
One player tactical squad combat game. Includes intelligent opponents, multi-level combat areas, many pieces of equipment, and several combat scenarios. $39.95
Omnitrend Software Inc.

Bride of the Robot
Adult graphic/text adventure. The further adventures of Captain Brad Stallion. Miss Galaxy has been kid napped by a runaway robot! Your mission is to rescue her. $39.95 *Free Spirit Software, Inc.*

Bridge 5.0
A complete bridge playing simulation. Play with computer partner against two computer opponents. Supports both bidding and playing out of hand. Unlimited number of hands. Bidding based on the five-card major approach and uses the Stayman and Blackwood conventions. Program reviews the bidding, keeps score, and informs user of illegal play or bid.



Auto-play mode for players who prefer computer to make their bid. Quit, claim, or concede any hand during play. For advanced or novice players. $34.95 *Artworx*

Bubble Bobble
Battle battalions of bullies by blowing and busting billions of bubbles. 100 screens of suds. Another arcade great comes to the Amiga. $39.95 *Taito Software Inc.*

Bubble Ghost
Help a mischievous spook guide a bubble through 36 rooms, catacombs, obstacles, and traps. $34.95 *Accolade*

Bureaucracy
Get your bank to acknowledge your change-of-address form while you entangle yourself in endless red tape that leads you to a ravenous llama and the top of a tree in the Zalagasan jungle. $14.95 *Infocom*

California Games
Play for a big-name sponsor as you surf, skateboard, roller-skate, and BMX race all through California. Specially marked game boxes give you a chance to win T-shirts, skateboards, watches, keyboards, sunshades, flying disks and jet skis! $39.95 *EPYX*

Capone
Action and adventure in Chicago's 1920s. Use your machine gun to beat the gangsters. Liven up the action with The Phaser, a real light gun sold separately. $39.95 *Actionware*

Captain Blood
Exciting graphics rule this game's intense action as Captain Blood blasts out his own clones. Invading the galaxy, Captain Blood's clones must be destroyed before they drain his energy. $49.95 *Mindscape*

Carlos Monte's 7-Card Nopeekie
Feel like your on the boardwalk while brushing up on this poker-style casino game. $19.95
Erisian Software Products

Carlos Monte's Blackjack/Solitaire
Beat the dealer in do or die blackjack or solo a round of solitaire. $29.95
Erisian Software Products

Carlos Monte's High-Rolling Craps
For the gambler, complete the Carlos Monte collection with full craps rules and all casino options. $19.95 *Erisian Software Products*

Carrier Command
An addictive game of strategic warfare combining wild arcade action and stunning three-dimensional graphics. You are at the helm of a futuristic aircraft carrier equipped with fighter planes and amphibious tanks, missiles and virus bombs. Use up to 4 aircrafts and 4 amphibious vehicles simultaneously, to capture over 60 islands. Features 3D solid-filled graphics, smooth scrolling, fabulous sound and special effects. Your choice of action or strategy game, plus save-game option. $44.95 *Rainbird Software*

Casino Fever
Play and learn craps, roulette, blackjack and poker. Online help in craps and roulette. Mouse driven interface, Vegas odds. Works on any Amiga. $39.95 *Ethos Development Co.*

Castlevania
Fight ghosts, goblins, demons, wolves, and bats, all thirsty for your blood. Go up against Count Dracula as he goes for your jugular. For one player only. Joystick or mouse optional. Available April 1989. $39.95
Konami Inc.

Centerfold Squares
Adult-oriented game with digitized graphics. Play against a Centerfold opponent to uncover strategically positioned squares. Different skill levels from easy to nearly impossible. Graphics digitized using a proprietary process that combines the best features of modern scanning technology with the artist's finishing touches. $29.95 *Artworx*

CFL
Computer Football League features over 450 fictional players for use with Gridiron! Create from 2-20 teams, each with an $8 million budget. Names, speed and strength ratings, salaries, and experience for each player. Two disks available. $14.95 each. *Beta Software*

Charon 5
New design concept combines an addictive mix of strategy and fast-paced arcade action to produce an enduring game of epic proportions. The action takes place on 5400 full-color screens spread throughout 11 levels, enhanced by exceptional true stereo sound and music. $34.95 *Mindware International*

Entertainment

Chessmate
Computer chess game with 3-D graphics and varied skill levels. $29.95
Dark Horse

Chrono-Quest
Your quest begins in your father's chateau circa 1920, where you find his latest invention: A fantastic time machine. You are the prime suspect of your father's murder, but a letter from him leads you to think he has escaped into the future. You must find fragments of a magnetic card needed to drive the machine home. Brilliant graphics, full icon control, 3 disks. $49.95
Psygnosis Ltd.

City Defense
Defend cities from outer-space laser attacks. Includes limited missiles, mouse control. $19.95 *Constellation Software*

Clever & Smart
Join the fun with the bumbling detective characters from Germany's most popular comic strip. They're on a mission of a lifetime trying to find the kidnapped Dr. Bactterius. Incredibly tricky program of strategy as these zany characters fall in and out of trouble and mischief. Package also includes "The Crimes", a newspaper filled with clues that will help you solve the mysterious crimes. $34.95
DigiTek

Computer Scrabble
Up to four players can battle wits or challenge the computer. 12,000 to 20,000 word dictionary, seven characters or less, onscreen timer, tile counter. $39.95
Electronic Arts

Combat Zone
Dack MacKenzie is your name; most fearless and hotheaded one/man army this country has seen! Ballistics expert, tank operator and ace helicopter pilot, do whatever it takes to get the job done right the first time. Operation Skylark is your next assignment, the most difficult and dangerous yet. Enemy forces have been detected on American soil, and it's your job to stop them cold! Use combat skills to blast apart waves of enemy attacks! Get the job done right the first time...or it may be your last. $14.99
Keypunch Software

Contra
Pitted against the galaxy's fiercest foe, the Red Falcon, you'd better win or the world loses. You have a multitude of weapons at your disposal—from rapid fire machine guns to high-tech lasers. You'll sweat blood, fighting past complex mazes, underground security systems, and tropical forests surrounded by giant waterfalls and alien cannons. The ultimate test for the ultimate guerilla warrior. If you survive, the Earth survives. Alternate play for 2 players or one against the computer. $39.95 *Konami Inc.*

Conversation With a Computer
Entertainment package that doubles as a program guide. Includes full-featured checker program. $34.50 *Jenday Software*

Corruption
A fast-paced illustrated interactive adventure game about power, profit, double-dealing and deceit. Powerful graphics reflecting the financial world and underworld of London plus an expansive vocabulary that lets you interact with over 15 characters in everyday language. This compelling adventure tests your skill at manipulating characters and extracting information to solve the puzzle. Recommended for adult minds only. $44.95
Rainbird Software

Cosmic Bouncer
Before, you were just another yellow tennis ball at the mercy of every insensitive tennis player. Back and forth. Day in, day out. But not any more! A freak computer mishap momentarily aimed the genetic space-beam directly at you, bringing you to life. You begin your new role to boldly bounce where no ball has bounced before to earn the title of Cosmic Bouncer! Bounce and dodge through more than 20 levels of action and surprises. $29.95 *ReadySoft, Inc.*

Cosmic Relief
Find Professor K.K. Renegade, the only man who can save the Earth from asteroid devastation. Direct one of five explorers over caverns, across a tightrope, even over the clouds on a vacuum cleaner as you try to find the Earth's only hope. Use tools you find along the way to help in your quest. Well-done, humorous graphics and stereo soundtrack. $34.95 *Electronic Arts*

Craps Academy
Learn the mysteries of the craps table in the privacy of your own home. Graphics and special effects teach you the rules of the game. A 4-player table allows 5 friends to play at once, animated dice with scrolling table, complete glossary of "buzz" words, instant recap of recent game and player stats. $39.95 *MicroIllusions*

Crazy Cars
Race in The American Cross Country Prestige Cars Race, the world's craziest race. Over six tracks cover the U.S. in 72 stages. Complete the race before time runs out and get a faster car. Start with a Mercedes 560 SEC, then a Porsche 911 Turbo. Work up to a Lamborghini Countach, and if you're good enough, a Ferrari GTO. $39.95 *Titus Software Corporation*

Creature
Action and adventure in space. Use your laser gun and quick thinking to blast the enemy and return home. Uses The Phaser, real light gun sold separately. $39.95 *Actionware*

Cross-Links
Word find games allow players to build their own games. Fun for ages 1 to 70. $29.95 *Poco Loco*

Crystal Hammer
Breakout game with 30 levels of play for one or two players. 8 differently programmed crystals, "intelligent" enemies, smooth scrolling. $19.95 *Constellation Software*

CST Data Disk 1
Additional data disks for ConSOUNDtration. $24.95 *AlohaFonts*

CST Data Disk 2
Additional data disks for ConSOUNDtration. $24.95 *AlohaFonts*

CST Data Disk 3
Additional data disks for ConSOUNDtration. $24.95 *AlohaFonts*

CST Data Disk 4
Additional data disks for ConSOUNDtration. $24.95 *AlohaFonts*

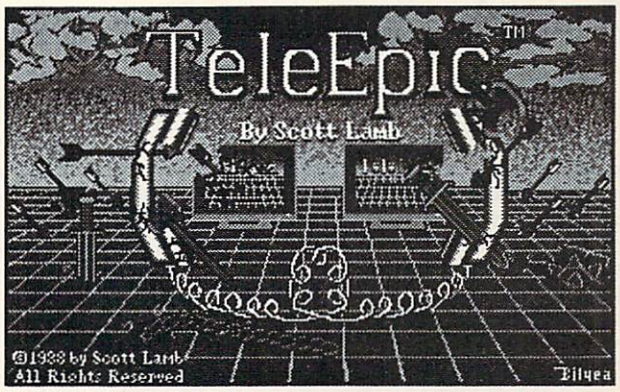
CubeMaster
Strategy shooting game with 100 levels, real-time graphics, dozens of sounds, and fast action. $24.95 *ASDG Inc.*

Cutthroats
You're an expert diver working with a cutthroat gang to salvage a shipwreck's sunken treasure; but you can't afford to let the gang get their hands on it. $14.95 *Infocom*

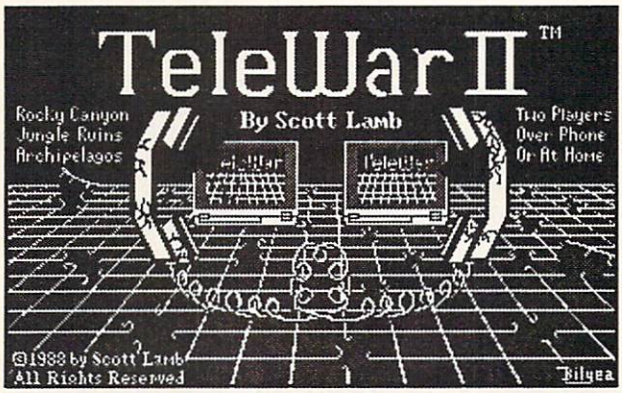
Dark Castle
Conquer numerous perils and defeat the Black Knight in the Castle of Doom. Search the castle's halls; but watch out for the bats, rats, vultures, mutants, magic brooms, and whip and rock wielding henchmen. 14 levels of increasing difficulty. Animated color graphics, digitized sound effects. $44.95 *Three Sixty*

THE ULTIMATE STRATEGY BATTLE SIMULATIONS

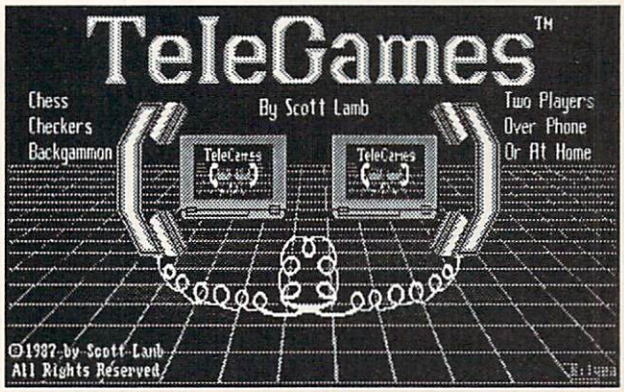
TeleWar, the *Ultimate Strategy War Game*, allows you to play against the *Ultimate Opponent*. Playing against an unpredictable human opponent assures you that victory is only sweet until the next game and that each TeleWar match is an exciting clash of intellect and intuition. **$39.95**



TeleEpic is the *Medieval Version of the Ultimate Srategy War Game*. Instead of commanding tanks and artillery, you lead a band of heroes waging war against your mortal foe. Test your skills wielding a mighty axe or sword. Throw a dagger or check your accuracy as an archer. **$39.95**



TeleWar II, the *Ultimate Strategy War Game Revisited* with new terrains and enhanced game play. Experience the ecstasy of blasting your best friend to rubble or disintegrate someone you don't even know. Watch out! You may be the next casualty peering out of a twisted pile of smoldering steel. **$39.95**



TeleGames, like all our '*Tele*' products, provides the enjoyment of competition without the problem of where to play. Competition is enhanced with smooth 3D perspective graphic animation and digitized sound effects. Players may compete on one computer or 'TeleConnect' via modem. **$34.95**

INTRUDER ALERT

The ***Intruder Alert Monitor*** allows your computer to become a monitoring, logging, or security system for your home or business. The system includes a startup kit including several types of detector switches and wire. Each of eight individual ports may be programed independently. Intruder Alert software allows for digitized audio alarms, speech synthesis, modem interaction, date and time stamping of events, external program launching, and utility support for BSR/X-10 controlling. Like all Software Terminal products direct support from the author and designer is available though our BBS service or via BIX vendor support area 'TeleGames'. **$159.00**

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Entertainment

Deadline
Whodunnit murder mystery with 6 suspects and a 12-hour time limit. $9.95 *Infocom*

Death Sword
Fight to the death for Princess Mariana in this arcade sword adventure. Great color graphics and sound effects. One or two players. $39.95 *EPYX*

Deep Space
Sorry, no description available at press time. $39.95 *Psygnosis Ltd.*

Defcon-5
Strategy is the key to survival. Authentic SDI "Star Wars", computer/computer simulation. Using realistic military commands, you are in control of our star wars space based defense system. Orbit laser neutral particle beam emitters. Electro-magnetic launchers and nuclear posts. Control surveilence system and destroy missles from eastern enemies before they destroy the earth. Great graphics and real-time action. $39.95 *Cosmi Corp.*

Defender of the Crown
Lead the Saxon knights into battle against the Normans and win the Crown of England. Fully detailed graphics, role playing and strategy. $49.95 *Mindscape Inc.*

Deja Vu: A Nightmare Comes True
Mystery adventure with graphics. Solve the murder, clear yourself of suspicion, and regain your memory. $49.95 *Mindscape Inc.*

Destroyer
WWII in the Pacific on a U.S. naval destroyer. Manage the entire ship, or man a single station. Torpedos, anti-aircraft guns, depth charges, more. $39.95 *EPYX*

Diablo
Keep the ball rolling by laying the tracks down in front of it. $29.95 *Classic Future*

Distant Armies
Playing history of chess includes 10 forms of chess, each programmed with its own board, pieces, and rules. Several levels with two and three dimensional views; extensive on-line description of each game's history and rules. Includes Chaturanga, Chinese Chess, Burmese Chess, Shatranj, Byzantine chess, Medieval Chess, Courier, Turkish Chess, Decimal Chess, and Maniac. $44.95 *Eagle Tree Software*

Dominoes
Classic board game with 3-D graphics. Easy to learn, hard to win. $24.95 *Polyglot Software*

DONDRA—A New Beginning
The first installment of the Questmaster series. Find the Crystal Prism of Heheutotol. Animated sequences, cartoon-style graphics. Price unavailable.
Spectrum Holobyte

Double Dragon by *Arcadia*
Arcade hit about Billy and Jimmy Lee, twin brothers learning to fight on the cold, tough streets of the city. Their expert knowledge of martial arts and their street smarts have made them formidable fighters. Help them pursue the gang that has kidnapped Billy's girlfriend and win the final confrontation. A fighting classic! $39.99 *Electronic Arts*

Double Dribble
The ball is in your court, and it's time for a little 5 on 5. You know every trick in the book; but so does your opponent. He'll match you man for man, move for move. Slams, steals, switching defenses, fast breaks, you name it. The clock is ticking; the coach is screaming; the pressure's on. Will it be in the hole...or in your face? Features simultaneous play for 2 players or one players against the computer. Joystick and mouse compatible. Available April 1989. $39.95 *Konami Inc.*

Downhill Challenge
Ski-racing simulation allows players to compete in downhill, slalom, giant slalom and jumping events. Three levels; 3D animation. $29.95 *Broderbund Software, Inc.*

Dr. Xes
Psychotherapeutic game uses artificial intelligence techniques and speech synthesis to discuss your mental health and well-being. Descendant of Eliza, by Joseph Weizenbaum, with four times the vocabulary. Develops cognitive model of patients. $39.95 *Finally Technologies*

Dragon's Lair
The much-awaited arcade classic. Six digitized disks bring the coin-op laser legend to the Amiga. As Dirk the Daring, you'll try to rescue Princess Daphne from the evil Singe the Dragon. Requires 1 MB RAM. $59.95 *ReadySoft, Inc.*

Dream Zone
Graphics adventure game set in the land of your dreams. A mad scientist's elixir has turned your dream world into a reality. It's up to you to call upon your logic, imagination, persistance, and sense of humor to locate and overcome the source of your nightmares. Over 100 exotic locales to explore while conversing with multitudes of people, animals, and things. Type simple English commands or click on objects to collect objects, seek clues or invite company on your journey. $49.95 *Baudville*

Dungeon Construction
Set up new labyrinths and scenarios, or create monsters, treasures, and magic items. $39.95 *MicroIllusions*

Dungeon Master
Real-time dungeon exploration with 3D view. Levels upon levels of monsters, puzzles, and more. Mouse only interface. $39.95 *FTL Games*

Dungeon Quest
A graphic adventure featuring state-of-the-art pictures and sounds. Follow your journey through dark castles and forests. $39.95 *Image Tech*

Earl Weaver Baseball
Baseball simulation game challenges your skill as a batter, pitcher, fielder, and manager. $49.95 *Electronic Arts*

Earl Weaver Baseball Data Disk
Statistics from 1986 major-league teams. $19.95 *Electronic Arts*

EbonStar
Skill and strategy. Avoid satellites, armed drones, and the Warp, to destroy competitors by hurling them into the synthetic black hole. 1-4 players, 50 levels of complexity. Fast paced free flowing graphics and animation are sure to keep you captivated! $34.95 *MicroIllusions*

Echelon
True simulation puts you in control of the C104 and in the heart of the action. You operate the craft from inside control room. As the top ISF pilot, you are in command of the C104 Tomahawk stationed in patrol zone 106. As the only patrol craft in the zone, you must fly daily reconnaissance missions. Search for artifacts and clues that reveal location of space pirate stronghold. $44.95 *Access Software*

Elite
Elite combines the elements of strategy and shoot'em up arcade action in a sensational test of skills. Your goal is to reach supreme status of Elite. This challenging program is a test of combat all the way. How you aquire the needed skills is up to you. $34.95 *Rainbird Software*

Emerald Mine
Arcade adventure with over 100 levels. Collect jewels, avoid obstacles, and beat the clock in an emerald mine. $19.95 *Constellation Software*

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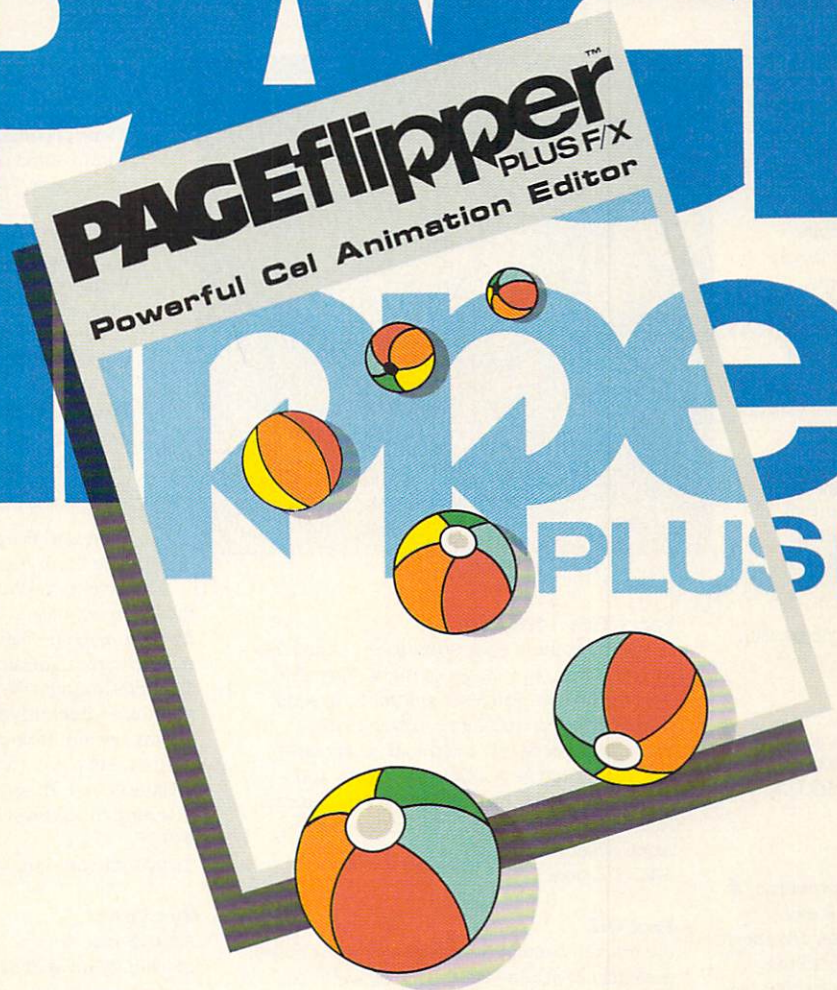

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Entertainment

Empire by *Interstel*
Stop the imperialisitc Krellans from total domination of Alliance airspace in this strategic simulation that features global conflict, conquest, and empire building for one to three players. Begin with one city on a large unexplored planet and try to capture cities and build up a defense against the Krellans. Features air, land and sea combat and large arsenal of weapons. $49.95 *Electronic Arts*

Enchanter
You are a novice magician in a world of wizards and spells. Combat the Evil Warlock, using spells you've acquired through your travels. $14.95 *Infocom*

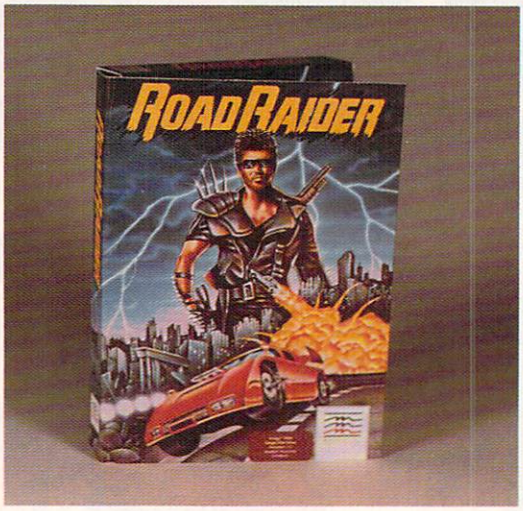
Enchanter Trilogy
Enchanter, Sorcerer, and Spellbreaker all in one package. $29.85 *Infocom*

Encore
Keyboard movement automation studio. Lets you build Macros by capturing mouse movements and keystrokes. $69.95 U.S. $79.95 Canadian *Elipsys*

Enlightenment
Trek through desert, swampland, caverns of darkness, and more to destroy the evil Acamantor in this fast-paced action adventure game. Enlightenment conjures up all the power and magic you could ever imagine in one game. Its fast-paced adventure keeps you blasting and baffling your enemies at every turn. Superb effects in sight and sound, 15 treacherous levels, 32 different spells and a two-player option set this game apart from all others. Summon your master magician and elementals to aid you in your quest. $24.95 *Rainbird Software*

Extensor
3D graphics and sound on Mars. Close a circle around the other motorcycles. $34.95 *DigiTek,Inc.*

F/A-18 Interceptor
Fly the F/A-18 Interceptor into combat to defend Air Force one. Includes six combat missions, free flight, and a training mission. In free flight mode, you can try to fly under the Golden Gate Bridge or over Alcatraz. Land on the U.S.S Enterprise on a training run. Variety of weapons, 3D graphics, real-time digital map, first person perspective, zoom function, ejection seat, and sound effects. Requires minimum 512K; 1 MB suggested. $49.95 *Electronic Arts*



Faery Tale Adventure
Guide 3 brothers on a quest to save the land of Holm from the forces of night. Traverse caverns, mazes, forests, mountains, deserts, islands, castles, and more. Over 19,000 playable screens. 3D overhead perspective lets you watch as goblins, skeletons, and ogres pursue the brothers. Music changes to foreshadow action, just like in the movies. Adjustable music and sound. $49.95 *MicroIllusions*

Face Off
Ice hockey simulation where you must master the skills of staying on the ice as well as dealing with the other players. Be prepared for the body checks, foul and rough plays. This game puts you in league competition with a 1/2 player option. $24.95 *Anco Software USA Inc.*

Famous Courses Volume II
More golf course challenges for owners of Mean 18 include Inverness Club, Turnberry, and Harbour Town. $19.95 *Accolade*

Ferrari Formula One Grand Prix Racing
Race a full season on the international Grand Prix circuit. Compete against seven different drivers on 16 tracks. $49.95 *Electronic Arts*

Feud
A magical mystery with a vengeance! Take the part of a feuding medieval wizard and slug it out, spell for spell with an amazingly cunning computer opponent. Move through the stunningly illustrated world of Middle Ages England and fight it out with your Amiga! One player only. $19.99 *Mastertronic International*

Final Assault
Climb some of the world's highest mountains. Mountain climber Eric Escoffier acted as consultant to add to the game's realism. Players must select their backpack supplies from over 50 items. Variables include temperature, time, altitude, and physical condition of climber. Training course and safety guide included. $39.95 *EPYX*

Final Mission
Avoid enemies, collect objects. Dig and climb your way through 350 different levels. $34.95 *DigiTek Inc.*

Fire and Forget
The Earth is in turmoil and you must save it. You're the top commander of the Thunder Master, the world's ultimate fighting machine. Face three levels of six conflicts from guerilla to global war. Let Thunder Master's V-16 triple turbo engine and four-wheel drive speed you through enemy terrain. If you need help, radio to a partner. Let the commander of the magnetic levitation unit Thunder Cloud help you by manning the skies while you take the ground. $39.95
Titus Software Corporation

Fire Power
Arcade-style tank battle featuring one-to-one playability on split screens—against the computer, against a friend, or over the modem. Smooth scrolling graphics and animation gives game a realistic feel. Sound effects like tank engines, explosions, and helicopters keep you on your toes as you defend against the enemy and its helicopters. Rescue your troops and return them to first aid stations. Multiple fields and random flag locations allow a variety of strategies. Three tanks to choose from. $24.95 *MicroIllusions*

Fire Zone by *DataSoft*
Futuristic war game set in the 21st century lets you jump behind the wheel of a high-powered combat vehicle for a futuristic fantasy. European Combine and the Pacific League. $34.95 *Electronic Arts*

First Expedition by *Interstel*
You're Braun the Explorer, venturing in an unknown ocean world. Recover the three sun spheres and save civilization. $49.95 *Electronic Arts*

Flight Path737
Learn to fly the 737. Start with solo flights to work toward your international license. Take off from a mountain surrounded airfield and navigate to a landing on the other side. $24.95 *Anco Software USA Inc.*

Entertainment

Flight Simulator II
Cessna 182 single-engine plane flight simulator. Over 120 airports, 5 scenery areas. Full instrumentation, many features. $49.95 *subLOGIC Corporation*

FootMan
Many levels and life-like sound make FootMan a classic arcade game. Two different games, simultaneous 2-player mode, and full maze also included. $39.99 *Incognito Software*

Fortress Underground
Use your battle helicopter to search and destroy an enemy power station in a 640-screen underground cavern. $19.95 *Constellation Software*

Foundation's Waste
Use your stolen aircraft to escape from the evil planet. $34.95 *DigiTek Inc.*

Freeway Massacre
Driving simulation. You play the Freeway Vigilante on the California Freeway. $39.95 *Teknoware*

Fright Night
You're Jerry Dandridge, and you've got twelve hours to bite everyone in the house before they stake it to you. Game play by Steve Bak and graphics by Pete Lyon. $39.95 *Microdeal*

Frostbyte
Help Hickey the Kreezer rescue his friends from the crater-dwelling ghouls. Pick up sweets to help Hickey move faster, jump higher, and fall further. Beat the clock or your man is dead Kreezer meat. $29.95 *StarSoft Development*

Galactic Conqueror
Fast action of a coin-op machine and the sophisticated strategy of a computer. Located in the center of the galaxy is "Gallion", the supreme headquarters of the stellar league. They have detected an enemy invasion. As the only one with enough experience to handle a strategic conflict, you will be sent to stop the invasion. Which of the 416 planets will be the most important to liberate and aid in the battle? Which planets may not be counted on? Join a training mission at any time, to increase your skills and attain a higher level of performance. $44.95 *Titus Software Corp.*

Galactic Invasion
Intergalactic dogfight. Invade the enemy galaxy and capture and destroy their satellite stations. Find material to build the ultimate doomsday weapon. Real-time interactive graphics, digitized stereo sound, computer opponent, 3-D galaxy complete with stars, planets, moons, suns, and asteroid belts. $24.95 *MicroIllusions*

Ganymeds
Fight the enemy hordes on Ganymed and win back your planet. $29.95 *ReadySoft, Inc.*

Gauntlet
Arcade adventure game with dungeons, traps, and treasures. $49.95 *Mindscape Inc.*

Gettysburg: The Turning Point
Reenacts the three day Gettysburg Civil War battle in 42 turns. Command-control system shows the effects of the commanders, ammunition points, fatigue, and other factors. Basic, intermediate, and advanced modes available. Computer allows you to play Blue or Grey. $59.95 *Strategic Simulations*

GFL Championship Football
Arcade-action football game from an in-helmet perspective. Smash through 60 minutes of hard-hitting football. Players select teams, play a friend or one of 27 separate computer-controlled GFL opponents. Choose from 34 offensive plays and 12 defensive alignments. $44.95 *Mediagenic*

Global Commander by *DataSoft*
In the year 2032, all 16 of the world's powers are members of the United Nuclear Nation. Each nation has its own government, personality, and needs. You are responsible for the welfare of the entire UNN, including the distribution of all nuclear missiles, fulfilling food needs, communication, and economy. If you do your job well, peace will prevail. $39.95 *Electronic Arts*

Gnome Ranger
Guide Ingrid through this magical three-part graphics adventure game by Level Nine. Includes 48-page Gnome diary. $19.95 *Constellation Software*

GO for the Amiga
GO for the Amiga is every bit as much a teaching tool as it is a game. Invented in China some 4000 years ago, it is the legendary oriental game of strategy. Built-in features: 3D stones, wood or ivory playing board, handicap points, digitized sound, five modes of playing. User-controlled featurers: board sizes from 3 x 3 to 19 x 19. Change sides at any time, save and annotate games, alter computer's personality. $49.95 *Infinity Software*

Gold of the Realm
Awesome graphic action adventure game. Four castles to explore, 320 different scenes, 32 color screen. MIDI compatible, fight off villians, find your way through mazes to get to treasure! Joystick and mouse control. $39.95 *Magnetic Images*

Goldrunner
The first installment of the Goldrunner series. Join in as humankind prepares to leave earth and enter the Golden Age. Can you become the fabled Goldrunner in the battle for the Ring World of Triton? $39.95 *Microdeal*

Goldrunner II
Fifty years ago, the first Goldrunner, a brave and bold warrior, defeated a powerful force of space pirates to save the world. The past five decades of life on the Ring-Worlds of Triton have altered the life of the human race. No longer a warrior, technology has made man a new fighter. But the robots that defend his home have been captured by pirates and turned against him. That's when the action begins. Fly your single seated flyer to the platforms, outwit the pirates' defense system, and recover the robots. $39.95 *Microdeal*

Entertainment

Gold Rush by *Sierra On-Line*
Historical adventure follows a 49er from New York to California. Three different games, one for each path the miner follows. $39.95 *Electronic Arts*

Grand Slam
Play the Big Four of the world Grand Prix tennis circuit: Paris, Wimbledon, U.S. Open, Australian Open. Digitized sound, 3-D graphics, various playing surfaces, choice of racquet. Play against opponents with different styles, chart your progress, protest questionable calls. Includes manual with history and strategy. $49.95 *Infinity Software*

Grid Start
Racing game lets you drive a six gear Formula 1 race car over six circuits to race against 23 other cars. Master rapid gear shifts, braking, and accelleration. Power boost option allows for extra speed when you need it most. Three categories, each with its own championship. $24.95 *Anco Software USA Inc.*

GRIDIRON!
Football simulation uses digitized audio. Devise and call your own plays. Loaded entirely into RAM and runs in real time with five levels of play. Requires 512K RAM. $39.95 *Bethesda Softworks*

Guerrilla War by *Data East USA, Inc.*
A hostage rescue game involving players in a Civil War revolution. $44.95 *Accolade*

Gun Shoot
Shoot 12 different criminals; but don't touch the civilians. Includes two player mode and digitized sound. $34.95 *DigiTek Inc.*

HardBall!
Baseball simulation lets you play or manage the team. 3-D field perspectives, 6 pitches, left or right-handed. $44.95 *Accolade*

Harpoon
True-to-life simulation puts you in charge of 1988 weapons technology. This graphically stunning wargame pits you, a NATO Task Force Commander, against the Soviet fleet in an intense North Atlantic standoff. Rare full-color graphics of NATO and Soviet subs, surface ships and aircrafts. Novice or expert, you'll be up and running within minutes, delving into intriguing battle scenarios. Available July 1989. $44.95 *Three-Sixty*

Harrier Combat Simulator
Simulates the air-to-air and air-to-ground combat of the British Harrier aircraft. Fire the heat seeking Sidewinder missileti, destroy enemy headquarters, located 500 miles away. Onscreen instruments help guide you. Includes a practice mode and choice of three skill levels. 512K required. $49.95 *Mindscape Inc.*

Harrier Mission
Land on carrier, hover, and evade missiles. Shoot the enemy down with your heat-seeking missile or gunnery skills. Avoid being shot—and make sure you've got enough fuel to return to the carrier. $24.95 *Anco Software USA Inc.*

Head Coach 1.0
Pro-Football simulation strategy game. Results derived from statistical probabilities. Many special features. $49.95 *MicroSearch Inc.*

Head Coach 2.0
Upgrade to the Head Coach 1.0 includes play selection via mouse, artificial intelligence computer recommendations, more sound. Keeps individual statistics of leagues. Great for learning coaching strategy. $49.95 *MicroSearch Inc.*

Heavy Metal Modern Land Combat
A sophisticated war simulation game that combines the best elements of simulated arcade action strategy. Each player starts out as a second lieutenant and is able to move up through the ranks based on field performance. $44.95 *Access Software*

Hex
Graphic strategy game, similar in many ways to the game of chess, except the board consists of hexagons instead of squares. Characters move smoothly across the screen in 16 color animation make exceptional use of the Amiga monitor and mouse. Rules and characters become more challenging as your skill improves. $39.95 *Mark of the Unicorn*

Highway Hawks
Strategic racing car simulation. For experienced drivers only! Two disks, $34.95 *Anco Software USA Inc.*

Hitchhiker's Guide to the Galaxy
Take the role of Arthur Dent, who must escape a bulldozed house and a destroyed Earth to travel through the universe in search of... well, whatever he can find. Based on the popular radio program and novels. $14.95 *Infocom*

Hits Disk
Four games for the price of one, with color and sound from the original. Games include Goldrunner, Slaygon, Jupiter Probe, and Karate Kid Part II. $34.95 *Microdeal*

Hole-in-One Miniature Golf
Practice your putting on computerized mini-golf. Two disks include four courses, 72 holes, and many obstacles. Use the mouse to make your shots. Patience and a keen eye for the unusual are a plus. A great way to expand your understanding of angles and vectors. 1-4 players. Requires 512K. $39.95 *DigiTek Inc.*

Hole-in-One Extra Course Disk
Includes three extra courses designed for application with the Hole-in-One Miniature Golf disks. $19.95 *DigiTek Inc.*

Hollywood Hijinx
Inherit Uncle Buddy Burbank's Malibu mansion by finding ten treasures hidden throughout the house and grounds. Search through a lifetime's worth of Hollywood memories in your aunt and uncle's collection of movie memorabilia. $14.95 *Infocom*

Hollywood Poker
Strip poker game with digitized female opponents. $34.95 *DigiTek, Inc.*

Hybris
You're pilot of a missile cruiser flying over treacherous enemy territory. Your skill and courage will take you from a minimal scouting ship to an ultra-powerful mega-cruiser. Face attacks from land, sea, and air as you try to earn your silver wings. As commander, you determine which power targets to strike to give your cruiser rapid fire, extra missiles, or even invincibility. Great visuals; game play moves every frame. $39.95 *Discovery Software*

Impossible Mission II
You must stop the return of Elvin—a scheming madman seeking to take over the world in the twenty-fifth century. Search through eight levels of difficulty for secret-codes that will save the world. $39.95 *EPYX*

Indoor Sports
Air hockey, bowling, darts, ping pong. Play against the computer or with a friend. 3D graphics and animation. $49.95 *Mindscape Inc.*

Entertainment

Infidel
You're a soldier of fortune searching alone in the Egyptian desert for the great secrets of the lost pyramid. Avoid death; meet the ancient Egyptians. $9.95 *Infocom*

Insanity Fight
Battle in space against the evil Death Ship. $39.95 *Microdeal*

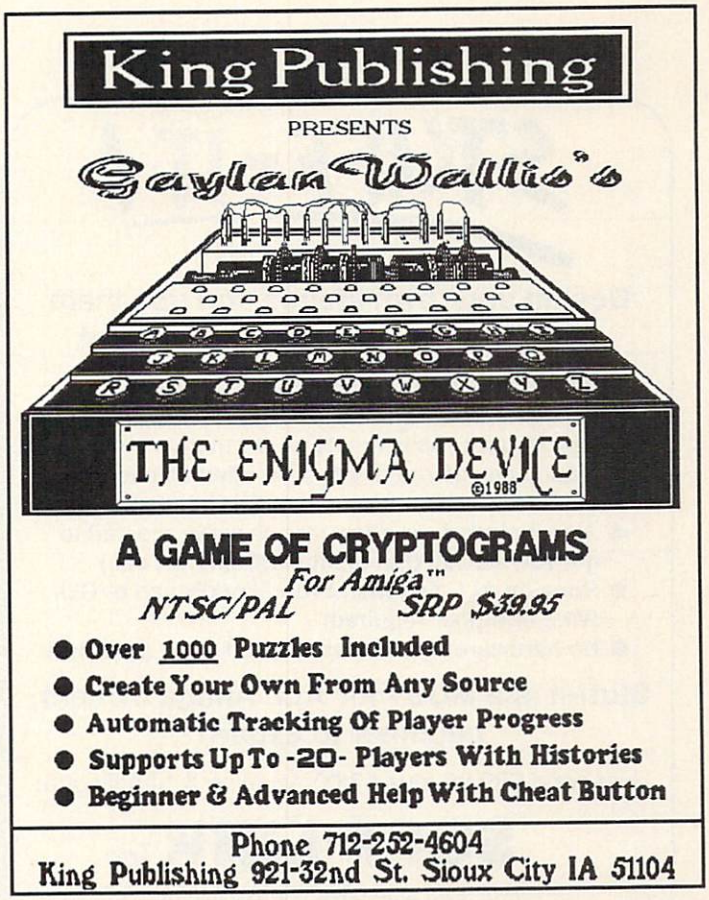
International Soccer
Options for playing soccer put the control in your hands. You determine the challenge, you call the shots! Control the weather: wet and slippery or the more predictable dry. Try a night game with shadows; or battle gale winds as you select. Choose midfield players and outfit them in colors of your choice. Half and full time score is displayed on the electronic scoreboard. Fans cheer you on to the World Cup, and onscreen referees ensure fair play. $39.95 *Microdeal*

Into the Eagle's Nest
Break into the Nazi fortress to rescue three Allied saboteurs. Destroy the fortress, save art treasures from destruction. $39.95 *Mindscape Inc.*

Jack Nicklaus' Greatest 18 Holes of Golf
Players play against a computerized Jack Nicklaus on 18 of his favorite holes or try their hand at two original Nicklaus-designed courses. Play with four people or a variety of computerized men and women. Skins scoring or stroke play; pro, men's or ladies' tees; wind intensity and direction; uphill; downhill. $49.95 *Accolade*

Jackal
Your brothers-in-arms are hostages behind enemy lines, and you're their only hope for freedom. You'll face awesome firepower as you try to rescue them. To defend yourself, use the Army's advanced all-terrain attack jeep, with its arsenal of guided missiles and incendiary grenades. But this mission will take more than a handful of gunpowder. You'll need a pocketful of miracles and the ferocity of a wild jackal. For 2 players or one against the computer. Joystick and mouse compatible. Available March 1989. $39.95 *Konami Inc.*

Japan Scenery Disk
For subLOGIC flight simulation products. Covers detailed scenery from Tokyo to Osaka. Delightful international adventure. $24.95 *subLOGIC Corporation*



Jet
F-16/F-18 jet fighter simulator with land and sea-based targets and aerial combat scenarios. Includes multi-player option. $49.95 *subLOGIC Corporation*

Jinxter
A hilarious race against time and chance, set in a jinxed land menaced by the impending death of good fortune. Get run over by a bus, smashed against a tunnel by a speeding train, fall two thousand feet into an artificial waterfall, get widdled on, folded, bent and mutilated. But don't forget: every silver lining has a cloud... $44.95
Rainbird Software

Joe Blade
Mission: Rescue six world leaders being held hostage by the leader of an infamous group of terrorists, Crax Bloodfinger. Joe Blade must fight the perils of danger, decode six bombs before they blow, collect keys to cells, ammo, and food. Great color graphics. $34.95
DigiTek Inc.

Kampfgruppe
Tactical WWII game featuring all the weapons used on the Russian Front from 1941-1945. $59.95 *Strategic Simulations, Inc.*

Karate Kid Part II
1 or 2 players, joystick or keyboard option, sound and graphics. You must discover the secret of the drum-or die! Catch flies with chopsticks and break ice with your bare hand in full-size, animated graphic screens. $39.95 *Microdeal*

Karate King
Karate combat game with nine different levels, one or two players. Opponent's skill and speed increases with each encounter. $19.95 *Constellation Software*

Karting Grand Prix
Go-cart racing. Players choose the tires they'll use to fit the weather conditions. Eight different tracks. $24.95
Anco Software USA Inc.

Kickstart II
Experience all the thrills and spills of dirt bike riding in this all action simulation. Ride your bike over a selection of any of the 24 courses, riding against the computer or a friend and the ever ticking clock. Included is a course designer so that you can create your own course. Range of track conditions, course designer, mouse control of options, one or two players, super graphics. $19.99 *Mastertronic International*

Kill or Be Killed
Arcade-style war adventure. Lead your troops into enemy territory to rescue soldiers and return them to safety. $39.95 *Teknoware*

King of Chicago
Battle the legendary Capone mob for control of 1930's Chicago. Fully animated 3-D graphics. $49.95 *Mindscape Inc.*

King's Quest by *Sierra On-Line*
Meet Sir Graham and outwit a witch, climb a beanstalk, ride an eagle, and battle a dragon. Complete the quest and win the crown. $49.95 *Electronic Arts*

King's Quest II: Romancing the Throne by *Sierra On-Line*
Join King Graham on a search for three magic keys to an enchanted land. Fly on a magic carpet, meet King Neptune and Dracula, and rescue the woman of King Graham's dreams. $49.95 *Electronic Arts*

King's Quest III: To Heir Is Human by *Sierra On-Line*
Help Gwydion break free of an evil wizard. Meet merry sailors, Medusa and the Abominable Snowman. New self-mapped system keeps track of where you've been. $49.95 *Electronic Arts*

Kingdoms of England
Brings you back to the Medieval days of England. Conquer the land by combining strategy with arcade skill. Features two huge two-player scrolling maps, full screen graphics, swashbuckling sound, and much more. $49.99 *Incognito Software*

Land of Legends
Interactive dungeon-type adventure game with graphics, strategy, character development. Roam through multiple levels of dungeons, encountering beasts that live there. Become a dungeon master and devise traps and tunnels to trap your friends. Different room sizes, secret passages, hidden doors, stairs, and teleporting areas. Dungeon construction set lets you create new monsters, treasures, magic items, labyrinths, more. $49.95 *MicroIllusions*

Larry and the Ardies
Avoid the fast-moving Ardies while collecting objects for points on each level. Scrolling backgrounds. One or two players. $19.95 *Constellation Software*

Leader Board
Golf game simulation with four irons and a driving range for practice. $44.95 *Access Software*

Leather Goddesses of Phobos
A spoof of 1930's pulp sci-fi. Three levels of play—tame, suggestive, and lewd, and male and female playing modes. Save the Earth from domination by the Leather Goddesses of a Martian moon. $14.95 *Infocom*

Leatherneck
Storm the beach to rescue your buddies held captive behind enemy lines. Combat arcade game, 1-4 players. $39.95 *Microdeal*

Leisure Suit Larry in the Land of the Lounge Lizards by *Sierra On-Line*
Spend a memorable evening on the town with Leisure Suit Larry. Romp through singles bars, ho tubs, mean streets, and a blind date nightmare. Communicate in full sentences with 3D animated characters. 900-word dictionary. Adult humor. $39.95 *Electronic Arts*

Leisure Suit Larry II: Looking for Love in Several Wrong Places by *Sierra On-Line.*
Jump on board with the hilarious Larry Laffer as he makes a play for the girl of his dreams. Price unavailable. *Electronic Arts*

Leviathan
Fly through three detailed planetscapes and vaporize all enemy ships in a shoot-'em-up space adventure. Diagonal scrolling landscapes and true perspective graphics. $9.95 *Mindscape Inc.*

Light Division
Two can play modern warfare in the Straits of Hormuz. Battalion level combat between U.S. and Russian/Iranian forces. Paratroopers, helicopters, backfire bombers, the Battleship New Jersey. Designed by Joe Balkoski, award-winning game designer. Available March 1989. $40.00 *3W Computer Games Inc.*

Entertainment

Lords of the Rising Sun
Step into the action of Japan's emperor family as you defeat the Tiara clan and become the shogun. Survival is the key when battling againt samurai armies on a three-screen map of medieval Japan. $49.95 *Cinemaware Corp.*

Mad Libs by *First Byte*
Play alone or with a group. Computer adaptation of the popular word game that substitutes your nouns, adjectives, and verbs in a straightforward story. Then the speech synthesizer reads the results. Fun for adults, and educational for children. $19.95 *Electronic Arts*

Major Motion
Race and battle against the dragsters, the Draconian League, in this fast-paced driving game. Watch out for helicopters and motorcycles. Joystick recommended. $39.95 *Microdeal*

Manhunter: New York by *Sierra On-Line*
Two years after an invasion, you are forced to hunt down and report human activities to an Evil Alien takeover or choose to be a supporter of the human underground. Includes New York City map, split screen viewing. $49.99 *Electronic Arts*

Maniax
Fast reflexes and strategy will reveal superb city landscapes. $24.95
Anco Software USA Inc.

Marble Madness
6 levels of 3D runway mazes with icefields, pipes, slimes, oozes, hoovers, and steelies. $49.95 *Electronic Arts*

Master Ninja: Shadow Warrior of Death by *Paragon*
Action-packed martial arts simulation set in Japan. Guide your Ninja warrior through the castle of an evil Japanese warlord who has stolen a precious magic sword. Standing in your way: a host of deadly ninja opponents, magic curses, and deadly samurai. $39.95
Electronic Arts

Mean 18
Golf simulation on 3 famous courses, plus 1 home course. Course Architect lets you design or modify an entire course. $44.95
Accolade

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Mega Pinball
Everybody enjoys the fun of playing pinball at an arcade. Mega Pinball brings you the fun and excitement of real arcade action to your Amiga, allowing 4 players and 4 screens with hyper sound effects and superb graphics. MegaPinball brings real action to your Amiga. $39.95
Starvision International

Menace
The planet Draconia has been formed over many centuries by six of the most feared rulers that have existed. They have ravaged and plundered space and created a world of fear and death. Put an end to their reign of terror. Action is constant, so once you have completed one level, you are immediately thrown into the next. $29.95 *Psygnosis Ltd.*

Metal Gear
Maniaical Colonel Vernon CaTaffy has activated the super weapon of destruction: Metal Gear. Only you have the expertise to seek and destroy it. One player only. Joystick and mouse optional. Available May 1989. $39.95 *Konami Inc.*

Mighty Marvel vs. F.O.E.
Jump into the world of superheros. Give your hero superpowers to combat supervillans. A graphics adventure for the Amiga's cohesive graphics capabilies. Play on a full-color scrolling map against an array of villans. $49.95 *ISM Inc.*

Mike the Magic Dragon
Held captive in a large castle of ghost, robots, and energy barriers, Mike the Magic Dragon must escape room by room and solve security codes that his magical powers cannot overpower. $24.95 *Anco Software USA Inc.*

Mindwalker
Talk about a split-personality. With this program, you're a physics professor gone mad. Your ego has split four ways: A muscleman, a mathematical whiz kid, a fantasy creature, and a beautiful water nymph. All four of you must combine your resources to journey through the mind and make it whole again. $49.95
Commodore Business Machines

Entertainment

Mini-Putt
Play on theme course like famous movies, sports, or countries. Three points of view and three types of obstacles provide even more variety. $39.95 *Accolade*

Mission Elevator by *Paragon*
You're a Ninja Warrior trying to recover a stolen magic sword. Fight your way through 25 chambers of the warlord's castle. Use your martial arts and weapons to kill the enemy and recover the sword. 64 floors, joystick and/or keyboard controlled. $19.95 *Electronic Arts*

Moebius: The Orb of Harmony by *Origin*
Combines the features of animated martial arts games with the challenges of fantasy role-playing adventures. $39.95 *Broderbund Software, Inc.*

Moonmist
Travel to England to hunt down the phantom and search for treasure in the secret passageways of The Tresyllian Castle. 4 variations, each with a different solution and treasure. $14.95 *Infocom*

Murder on the Atlantic
You've just set sail for a relaxing journey when a sudden murder calls on you to investigate 40 suspects, 600 shipboard rooms, and search for 22 mystery solving clues. $39.95 *Intracorp Inc.*

New York Subway
Action and strategy. Battle in the subway, save terrified citizens. $39.95 *DigiTek Inc.*

Ninja Mission
Of all the dangerous tasks given to the Ninja, this was to be the most perilous in their long history. To enter the Temple of Death and regain the glowing idols stolen from the Princess by the Hordes of Darkness would call for all his skills in the art of combat. Ninja do not disobey the word of nobility, however, so taking up his weapons he makes his way to Torii to begin his mission. Joystick and 512K required. $19.99 *Mastertronic International*

NFL DataDisk
Data disk contains player readings for all 28 NFL teams allows you to simulate games between NFL teams on GRIDIRON!. $19.95 *Bethesda Softworks*

Nord and Bert Couldn't Make Head or Tail of It
Come up with the idioms, homonyms, and other verbal tricks to complete the puzzles in each short story of the town of Punster. $14.95 *Infocom*

Obliterator
You are the last of the genetically- enhanced fighting machines. Use your bio-engineered abilities to cripple the alien vessel and destroy it. $39.95 *Psygnosis Ltd.*

Obsession
An ancient strategy game with 15 levels of play. $29.95 *Image Tech*

Offshore Warrior
A sport has evolved where powerful boats battle against the elements and their opponents. The warriors fight for victory against each other while trying to survive the dangers of rocks and waves. Throttles at the limit, the warriors struggle to control their boats by jumping waves, avoiding rocks, and firing at their opponents. Can you survive the pressure of a do-or-die situation? Start your engine. $39.95 *Titus Software Corp.*

One-On-One
Basketball greats Dr. J, and Larry Bird go at it in the number one software sports game of all time. Shoot as accurately as the Birdman. Slam Dunk like the Doctor. All to the wildly cheering crowd at Boston Garden. $19.95 *Electronic Arts*

Oo-Topos
A science-fiction adventure based on the story by Michael Berlyn. You've been captured by space pirates while on an important mission. You must get past the aliens, find your ship and its cargo and escape. (Available for A1000 only.) $19.95 *Polarware Software*

Operation Wolf
The world is sick of terrorism. Since terrorists respond only to terror, Operation Wolf has a few things to tell them. An arcade great comes to the Amiga. $39.95 *Taito Software Inc.*

Orge by *Origin*
Your army must contend with a huge cybernetic tank code-named Orge, which is armed with missiles, guns, and armor plating several feet thick. $29.95 *Broderbund Software, Inc*

Out Run by *Sega*
Go for the drive of your life! Sit down and grab on as you drive the fastest thing on 4 wheels: a beast of a machine only top drivers attempt to drive. So kick up the engine, down shift the gears, hear the tires squeal and take off! Colorful graphics, great music. $49.95 *Mindscape*

P.O.W.
Action and adventure. Rescue P.O.W.s and bring them home. Also uses light gun, sold separately. $39.95 *Actionware*

Paladin
Animated fantasy combat game for one player. The game features 10 character combat squads, multiple level combat, magic, assorted weaponry. The Paladin Package also includes a quest builder so you can build your own quests. $39.95 *Omnitrend Software*

Parachutes at Kanev
September 1943, WWII, Eastern Front, Germans vs. Russians. Battalion level, featuring first Russian parachute drop, the fog of war. New AI breakthrough—neural networking—the more you play, the better the computer learns your tendencies, making for a very intelligent computer opponent! $40.00 *3W Computer Games Inc.*

Persecutors
Avoid force fields and alien forces as you navigate your ship through unknown territory. Over 65 levels of arcade-action. $19.95 *Constellation Software*

Phantasm
You're transported to a distant moon from where you can save the earth. To save a part of the earth, you must destroy eight reconstruction installations then redock. $34.95 *Scorpion Software*

Phantasie
Locate the 9 Rings to battle the Dark Lord's evil minions. $39.95 *Strategic Simulations, Inc.*

Phantasie III
Wrath of Nikademus: The final battle against the Dark Lord. $39.95 *Strategic Simulations, Inc.*

Pinball Wizard
Arcade-style pinball simulation and building set with obstacles, stroboscope, slope control, tilt sensitivity, and more. $34.95 *Accolade*

Entertainment

Pioneer Plague
The first Amiga game in HAM mode is a new and exciting space adventure by Bill Willliams. Pioneer Probe Mark IV, the self-replicating, terra-forming, robotic spaceship, has gone out of control! Its original mission was to find suitable planets for the human race, but now you must stop the probe before it destroys all the planets, including the Earth. Four monitors, status instruments, drones and photon missiles guide your way. HAM mode, dazzling graphics, 4096 colors multi-level design and more. $39.95 *Antic Publishing*

Planetfall
Accompanied by Floyd the mischievous multi-purpose robot, you take the role of a lowly deck-swabber jettisoned onto a mysterious deserted planet. $14.95 *Infocom*

Platoon by *Data East, USA Inc.*
A fast-paced action translation from the hit movie. $44.95 *Accolade*

Plundered Hearts
Join Jean Lafond in a dangerous adventure to the 17th century West Indies. Escape pirates, explosives, reefs and crocodiles while avoiding the amourous advances of the pirate captain. $14.95 *Infocom*

Plutos
Defeat swarms of alien defenders and challenge a heavily armed mother ship in an outer-space shootout. Many features. $29.95 *Mindscape Inc.*

Poker Solitaire
Play 12 hands of stud poker simultaneously. Strategy game allows two players or one against the clock. Multiple skill levels challenge even the expert. Price unavailable. *Ethos Development*

Police Quest by *Sierra On-Line*
Mature, authentic law enforcement simulation designed by a California Highway Patrol veteran. Manual describes police procedures, crime computer gives court information on suspects. $49.95 *Electronic Arts*

Popman
Fast-paced action game for the Amiga™. You control a small man who must pop all balloons on each level. Levels are composed of ladders, rails, bricks, cement blocks, and more. Some balloons are buried, so you'll have to use your digging gun to blast bricks to get to the balloons. Clowns on the different levels chase you away from the balloons. Design different game levels with the mouse, play test them, and save them to disk. On-line help at the touch of a button. Not copy-protected. $20.00 *David Ashley*

Ports of Call
Own and command a cargo ship. A complex, unique economic and strategic simulation based on research of actual freight exchanges. $49.95 *Aegis Development Inc.*

Power Stix
Fill out the screen with rectangles or squares while avoiding enemies. $34.95 *DigiTek Inc.*

Prime Time
Tired of watching bad TV? Well now you can do something about it—make it worse. Most unusual, hysterically funny, Prime Time gives players the chance to run a TV network, cancel shows, buy shows, do lunch, and say things like "Sweetie-'Baby-Cookie". With crystal sharp graphics and animation, digitized speech and sound effects. "It's all up to you, babe!" $39.95 *First Row Software Publishing, Inc.*

Pub Games by *Arcadia*
Contains the two most popular pub games ever played. Try your luck at Darts and Pool with friends or solo. $34.99 *Electronic Arts*

Puppy Love
Entertainment software package, you adopt a puppy and teach it tricks to perform at a dog show. User creates the routines puppy will perform using beginner level programming. Teaches basic techniques. $29.95 *Addison-Wesley*

Q-Ball
Play pool in a cube. Line up shots in three dimensions with no gravity, 8 pockets, and the ability to rotate the table while making your shot. $29.95 *Mindscape Inc.*

QIX
With QIX, encounter puzzle after mesmerizing puzzle. Critics call this the the best mind game ever. $39.95 *Taito Software Inc.*

Questron II
As a player you will travel back in time to stop six wicked sorcerers from creating a magic book of evil. $49.95 *Strategic Simulations Inc.*

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A simple game with complex strategy. Line up five of your own stones, or capture five pairs of your opponent's gems. $39.95 *Miles Computing, Inc.*

Quizam! by *Interstel*
Destroy 8 alien satellites by answering strange trivia questions. Over 2000 questions in 16 subject areas, or create your own questions. 8 levels of difficulty. $34.95 *Electronic Arts*

Racter
Racter's artificial insanity allows you to converse with it on nearly any topic. $44.95 *Mindscape Inc.*

Rastan
Slay deadly dragons, capture power signs and conquer the Castle King. Coin-op classic comes to the Amiga. $39.95 *Taito Software Inc.*

Entertainment

Reach for the Stars, Third Edition
Up to four players battle against each other to become rulers of space empires. Your job is to improve the environment and industry by building warships. $39.95 *Electronic Arts*

Realm of the Warlock
The elders of Ashtron have been kidnapped by an evil warlock; it's up to you to find and free the leaders of the town and defeat the sinister wizard. Expert-level graphic/text adventure. Over 72 hours of game play. Includes text only mode, run from RAM, etc. Price unavailable. *Incognito Software*

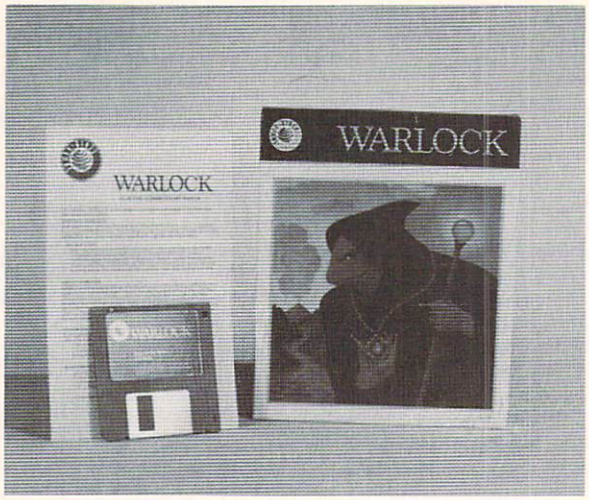
Rebel Charge At Chickamauga by *Strategic Simulations*
The Blue and The Grey, recreation of the two-day battle in 13 turns, each representing 2 hours of real time. The battlefield is shown on a 64 x 54 square-grid map. Offers "zoom in" for a tactical map and "zoom out" for strategic playing. Compete against another player or the computer in The Basic Game, Intermediate, or The Advanced Game. Price unavailable. *Electronic Arts*

Reel Fish'n by *Interstel*
How many days can a small business owner take off from the shop with out losing out? Depends on whether his days at the lake are profitable. Join him in this fishing simulation game and spend a sunny day reeling in fish. $44.95 *Electronic Arts*

Renegade
2 A.M. is no time to be alone in the subway. Unless, of course, you're prepared. Street-fighting arcade port. $39.95 *Taito Software Inc.*

Return to Atlantis
Novel-sized role-playing adventure in which you work as an agent for The Foundation to complete 14 missions and find Atlantis. Explore over 140,000 locations. Digitized voices, 3D scrolling underwater graphics. Stereo music and sound. Help keys, more. $49.95 *Electronic Arts*

Ringside
World championship boxing. Fight your way through 10 opponents to the title. Decide your fighter's name, weight, and age; assign strength points to a variety of techniques. Modify the length of rounds and the rest between rounds. Also features a training mode in which you can train your fighter against the computer or another player. Game saves top 10 scores to disk. Super graphics and sound; a must for the boxing fan. One or two player action. $39.95 *Microdeal*



Road Raider
In a world changed beyond recognition, where rules are non-existent, where you must find the mad menace, Dr. A. Noid. Before Dr. A. Noid and his slimy mutants destroy everyone in sight, it is your mission as a bounty-hunter to seek out a sane solution before you are smashed to bits. Features: gruesome graphics, three exciting environments, three progressively difficult levels and a wide variety of weapons. $39.95 *Mindscape Inc.*

Roadwar 2000
Lead a road gang in the year 2000 to locate 8 scientists who can find a cure for the results of bacteriological warfare. $39.95 *Strategic Simulations, Inc.*

Roadwar Europa
Lead a road gang to locate and destroy terrorists in post-doomsday Europe. $44.95 *Strategic Simulations, Inc.*

Roadwars by *Arcadia*
The Battlesphere. An infinitely maneuverable, ultimately invincible interplanetary tank. Just the thing for clearing the endless space highways circling the moons of the planet Armageddon. Blast attackers. Smash through barricades without a scratch. Take on a friend, or go it alone and become King of the Road! $34.99 *Electronic Arts*

Robbeary
Arcade adventure features a thieving bear loose in the department store. $24.95 *Anco Software USA Inc.*

Rock Challenge
So you think you know alot about Rock music? Let Rock Challenge test your knowledge of rock trivia. Thousands of questions from the 50's to today. Compete against family and friends in five different categories. Additional Question Disks will be available soon. $39.95 *ReadySoft, Inc.*

Rocket Ranger
Experience action, romance, thrills and spills of the old Saturday morning serials. Action begins with an urgent message from the future...a future that saw the Nazis win WWII. An underground group of scientists in the 21st century risk lives to send you a jet propelled rocket suit, ray gun, and secret decoder wheel. Skillfully used against a cunning and ruthless foe, these devices help you become the superhero that changes history and saves mankind. $49.95 *Cinemaware Corp.*

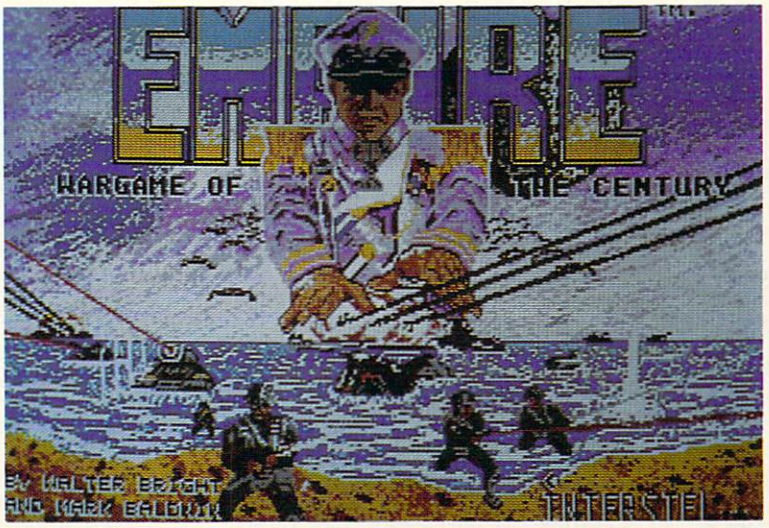
Rockford by *Arcadia*
Let Rockford be your guide on the greatest Archaeological expedition in the world. Search for gold pieces of ancient Pharaohs, the seas of Tiresius, and the Apples of Eternal Youth. Four levels of difficulty. $34.99 *Electronic Arts*

Rogue
One of the great underground adventures. With 26 dangerous levels and one daunting truth: The game is never the same twice. Concentrate on the maze monster just ahead. Or keep your eyes peeled for trap doors and deadly darts. Mission: Descend the Dungeon of Doom, recover The Amulet of Yendor, and make it safely back to level one. Price unavailable. *EPYX*

Robocop by *Data East USA, Inc.*
A blockbuster film translation recreates the action on the streets of Detroit. Available February 1989. $44.95 *Accolade*

Romantic Encounters at the Dome
Adult text game set in the sophisticated hi-tech private club called The Dome. Play out different personnae: be romantic or reckless, etc. $39.95 *MicroIllusions*

Entertainment



Rush 'N Attack
One or two players have the chance to rescue groups of POW's held prisoner in the depths of an enemy camp. Try to defeat a fleet of choppers along with guerrilla attacks. Joystick optional. $39.95 *Konami Inc.*

S.D.I.
Defend the U.S. against a KGB missile attack, battle hostile KGB rocket fighters in your 3-D flight simulator to save the human race. $49.95 *Mindscape Inc.*

Santa Paravia and Fiumaccio
A Kingdom-type game that's a ball for 1 to 6 players. The more players, the more intensity. Each player rules a little city-state in 13th century Italy. Every turn is one year and each player must set his taxes, buy and sell grain or land, build cathedrals, palaces, mills and markets. The first state to prosper will rise in rank and the winner becomes King or Queen. $29.95 *StarSoft Development*

Scary Mutant Space Aliens from Mars
Illustrated text adventure with a comic twist. Includes digitized graphics and sound, great animation, maps, function keys, quick-click controls, and humorous but challenging puzzles. $39.95 *ReadySoft, Inc.*

Scenery Disk #7
Can be used with Microsoft Flight Simulator to greatly expand the user's flying environment. Features hundreds of miles of coastline, many rivers and roads, railroads, racetracks, and transmitter towers from the East Coast of the USÅ, in detail from Washington DC down through Key West, Florida. Over 130 airports will challenge the most seasoned Flight Simulator enthusiast. $24.95 *subLOGIC Corporation*

Scenery Disk #11
Includes the North-Eastern border of the United States: Detroit, Lake Huron. Incredible variety, from industrial Detroit to beautiful Niagara Falls. $24.95 *subLOGIC Corporation*

Seastalker
Underwater adventure in a submarine. Learn to operate the submarine before the research center is attacked by a sea monster. $9.95 *Infocom*

Seven Cities of Gold
Rewrite history as Christopher Columbus in this historic adventure game. From the Software Classics™ library. $19.95 *Electronic Arts*

Sex Vixens from Space
Adult graphic adventure game. As Captain Brad Stallion you must locate The Tribe, a colony of beautiful female clones from the planet Mondo who have been raiding the male population. Cruise throughout the galaxy in a one-man vehicle, known as the Big Thruster. $39.95 *Free Spirit Software*

Shadowgate
Adventure game with graphics. Destroy the evil warlock lord, avoiding collapsing floors, armed creatures, and other perils. $49.95 *Mindscape Inc.*

Shanghai
Strategy tile-matching game based on an ancient Chinese game. Remove the tiles that match the dragon. First player to run out of tiles wins. More complicated than it sounds! $39.95 *Activision*

Sherlock: The Riddle of the Crown Jewels
Take the role of Watson to find the missing crown jewels, using clues given in riddles. Includes sound. $39.95 *Infocom*

Shilo: Grant's Trial in the West
Recreates the two day Civil War battle in 15 turns. Screen displays the Shilo terrain and armaments on a 30x30 grid. Switches between strategic and tactical displays; includes three games for three different levels of play. Requires 512K. $44.95 *Strategic Simulations*

ShufflePuzzle Vol. 1
Twelve new beautiful picture puzzles to solve. Works like the sliding number puzzles but with color pictures. Two levels of difficulty. $19.95 *Polyglot Software*

Silent Service
Action and strategy. Stalk enemy convoys through the waters of WWII's South Pacific. You make the crucial decisions. $39.95 *Microprose Software, Inc.*

Sim City
The city simulator strategy game. Year 3010: you become mayor and planner of our city. Fully animated with graphics and sound. Cars, boats, helicopters, monsters. Includes 8 cities on the verge of disaster: San Fransisco before the earth quake, Tokyo before the monster attack, Boston before the nuclear meltdown. $44.95 *Maxis Software, Inc.*

Sinbad and the Throne of the Falcon
Epic seafaring quest. Meet pirates and genies, test your swordsmanship and navigating skills. Full graphics, special effects, music. $49.95 *Mindscape Inc.*

Skyblaster
3-D air/ground combat simulation. Battle planes and tanks from your helicopter. $34.95 *DigiTek Inc.*

Sky Chase
Two player, jet fighter simulation game. Super fast flight animation, 3-D vector jets, full stereo sound. Choose from seven different jets. $39.95 *Maxis Software Inc.*

Skyfox
It's you alone in your sophisticated warplane against a skyful of enemy planes. From the Software Classics™ library. $19.95 *Electronic Arts*

Skyfox II: The Cygnus Conflict
Blast through asteroids at 9000 kilometers/second. Reduce enemy fighters to stardust with Photon Pulse Bombs. Dangerous missions put you face-to-face with deadly Xenomorph fighters who fire with no questions asked. Set a course on the overview map and hit autopilot. When you reach your destination, blast the starbase into another galaxy. $39.95 *Electronic Arts*

Entertainment

SLAPSHOT!
Hockey simulation uses digitized audio and team editing capabilities. Includes animated penalty calls and fights. Runs in real time. $59.95 *Bethesda Softworks*

Slaygon
Save the world from a toxic virus by destroying the Cybordynamics laboratory with your sophisticated military robot, Slaygon. Activate the Slaygon and prepare for the most important mission in the history of humanity. $39.95 *Microdeal*

Snake Pit
Control a snake through a series of complex mazes. The only way to move on to the next level is to eat all the food scattered within the labyrinth. The problem is that each bit of food causes you to grow or shrink. By the end of the maze, you could be gigantic. Avoid hitting your snake's everchanging body and make your way out of the maze. $34.99 *Incognito Software*

Snowberry
Snowberry, on thin ice is one of the funniest games produced for the Amiga. Snowberry is a little bear, that jumps across ice-blocks to find packages and pick up points. Many surprises and bonuses await him in this multilevel horizontally scrolling game. The game is designed like a comic series, with funny remarks and animation, a must for any game player with a sense of humor. $29.95 *Starvision International*

Software Golden Oldies Vol.1 by *Software Toolworks*
Four great games. Adventure takes you to the depths of the Colossal Cave, where you collect treasure, and try to outwit the perils that lurk in every crevice. Eliza will simulate your conversation with a psychiatrist, and analyze you with unnerving accuracy. In Life, you'll graph new life patterns. And then there's, Pong, the first video game and a true classic. $29.95 *Electronic Arts*

Solitaire Royale
Includes eight different variations: Reno, Corners, Golf, Pyramid, 3 Shuffles & a Draw, Klondike, Canfield, and Calculation, Plus three more childrens' games: Concentration, Pairs, and The Wish. $29.95 *Spectrum Holobyte*

Sorcer Lord by *DataSoft*
You must free the land of Galanore before the Shadow Lord invades and destroys the land. $34.95 *Electronic Arts*

Sorcerer
Sequel to Enchanter. Rescue your mentor Belboz and defeat the evil demon Jeeaar. $14.95 *Infocom*

SpaceAce
An exciting duel in space. Man vs Man (or computer) with 6 ship types, 4 special powers and tons of options. $24.95 *BoBWARE*

Space Battle
Travel through a dense asteroid belt in deep space—a game for one or two players. $19.95 *Constellation Software*

Space Harrier by *Sega*
As Harrier, an astral exterminator, you're charged with obliterating from the polluted galaxy some of the most ghastly creatures imaginable. Sound dangerous? It is. But with laser blaster in tow you're well-armed against the myriad of futuristic obstacles that you encounter. $49.95 *Mindscape*

Space Quest I: The Sarien Encounter by *Sierra On-Line*
Space-fantasy spoof featuring Roger Wilco, sanitation engineer turned interstellar swashbuckler who must save his planet against ship-napping Sarians. 3D animated graphics, new windowing system. $49.95 *Electronic Arts*

Space Quest II: Vohaul's Revenge by *Sierra On-Line*
Roger Wilco returns in this Vohaul's Revenge sequel as a space hero trying to defeat the evil scientist, Sludge Vohaul. Colorful animated graphics. $49.95 *Electronic Arts*

Space Quest III: The Pirates of Pestulon
Once again Wilco is called to battle Pestulon pirates and to save two software authors, The Two Guys from Andromeda, from a shallow life of writing arcade games. $49.95 *Electronic Arts*

Space Ranger
Run the gauntlet of death across desert jungles and snow plains in the name of Good and Right! As the Galaxy's leading superhero, it is up to you to save the helpless natives of Beta Crucis from the terrible threat of the Mogdanians, the most vicious aliens ever to enter the Earth's Territory. Fast moving, interactive animation. $19.99 *Mastertronic International*

Space School Simulator
The player assumes the role of a student working to graduate from the Academy, a specialized university designed to train an elite corps of skimmer pilots. To graduate, students must complete 20 different missions, developing skills in skimmer design and combat, while learning the diffferences of each planetary system. $34.95 *Scorpion, Inc*

Space Spuds
3D arcade game designed for use with Haitex' X-Specs 3D Stereoscopic Vision system. Players confront an intergalactic food fight as fat-filled junk food assails their shapeless ship. Colliding with the junk food causes players to gain weight until they explode. Haitex' X-Specs 3D glasses offer a 3D view of the assault. The LCD shutter glasses lug into the second joystick port. The system also allows users to create custom images. Package includes game, X-Specs 3D glasses, Molecule 3D (a display program), D3D (displays static images), and Cubes 3D, a game in which cubes dance right out of the screen. 512K minimum. $124.95 *Haitex Resources*

Spacecutter
Blast through fleets of alien spacecraft in search of stargates. Features 3D shaded graphics, sideways scrolling and multi-level gameplay. But you don't have time to marvel at the solid, highly colored graphics or the incredible 3D light source with shadow effects. The skies are filled with lethal spacecraft, flaming asteroid belts and enemy missiles. Revolve, spin, twist and turn in a sensational feeling of movement and speed. $29.95 *Rainbird Software*

Spaceport
As the pilot of a prototype spacecopter, you navigate the interior of an asteroid, RENEGADE, to rescue the spaceport. Seek and destroy the enemy. $19.95 *Constellation Software*

Spellbreaker
Part III of the Enchanter trilogy. You must save your kingdom even as your own powers fade. $14.95 *Infocom*

Spinworld
Shooting game in space. Enemies attack in waves in changing patterns. View from side or above. $29.95 *DigiTek Inc.*

SPOC Collection
35 entertainment programs. $25.00 *S.P.O.C.*

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Over 35 fun and games programs. Comes with a disk from SPOC PD, a great public domain collection, Both Disks. $25.00 *S.P.O.C.*

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Star Wars
Based on the George Lucas blockbuster, the game pits Luke Skywalker against the Empire's Death Star. $39.95 *Broderbund Software, Inc.*

Starcross
Discover the key to the galaxy on a mysterious spaceship in the year 2186. $9.95 *Infocom*

Starfighter One
The challenge of a lifetime for the hightech starfighter. You must find and collect 7 crystals hidden on 7 different planets protected by the evil ruler. On your journey through hyperspace, meteor storms and enemy spacecrafts prevent you from reaching your goal. Planet fighters and robots fire against you. If you win you rule the planet and marry the princess. Price unavailable *Starvision International*

Star Fleet I: The War Begins by *Interstel*
With one of the most powerful fighting cruisers in the universe, protect the Alliance from invading warships. Two dozen commands, sound and animated action, extensive documentation. $54.95 *Electronic Arts*

Starglider
Realistic flight simulation enables you to fly with incredible quickness response time and unbeatable ease. Strategic missions with fast and furious action. Starglider brings together the reality of a flight simulator and an action-packed shoot 'em up arcade game. High speed animation and spectacular vector graphics are so outstanding, you'll experience a true feeling of flight. Plus, the fast-paced mission (should you accept it) leads you into battle against a galaxy of blood thirsty aliens. $24.95 *Rainbird Software*

Starglider II
A superfast space flight game with 3D solid graphics, spectacular sound effects and an amazing array of flying creatures and craft. Your ship is ready with the most sophisticated weapon system. Take the controls and see what you're worth. This long awaited sequel to Starglider incorporates high-speed animation, realistic flight simulation and non-stop action. Dare to continue the ultimate space flight. $44.95 *Rainbird Software*

Stationfall
Sequel to Planetfall. A dull assignment becomes an exciting adventure when you meet your old buddy Floyd and find the space station nearly deserted, except for an alien ship, an ostrich and a balloon creature. $14.95 *Infocom*

Stellar Conflict by *PAR Software*
Time is running out on the world. As emperor of the world, you must build up and deploy a fleet of starships to conquer the galaxy planet by planet. $39.95 *Brown-Wagh Publishing*

Street Sports Basketball
Realistic, street-rules basketball, with teammates recruited from all around the neighborhood. Recruit your 3-man team and set up their shots. Rebound off a chain-link fence, dribble on the grass. Available soon. $39.95 *EPYX*

Strip Poker
Realistic strip poker game with female opponents on two data disks. Algorithms based on probability and modified to give players their own style of betting or bluffing. Additional disks with male or female opponents now available. $39.95 *Artworx*

Strip Poker II
Settle in for an evening of sizzling strip poker with Susie and Melissa, each with their own style of play. The more chips you win the better it gets. $39.95 *Artworx*

Strip Poker Data Disk #4
Available March 1989. $19.95 *Artworx*

Strip Poker Data Disk #5
Available March 1989. $19.95 *Artworx*

Sub Battle Simulator
World War II simulation. Patrol over 20,000 nautical miles as you perform over 60 different missions including seek-and-destroy, rendezvous, and much more. Use any one of 6 American or German subs. $39.95 *EPYX*

Entertainment

Super Huey
Helicopter flight simulator, explore unknown territory and map the terrain. Combat using rockets and machine guns to defend a secret desert installation from unknown hostile forces. Your assignment is to locate and attempt pick up of stranded military personnel, while learning the techniques of flying and familiarization of instruments. Joystick recommended. $14.95 *Cosmi Corp.*

Super Puzzle
Contains 90 jigsaw puzzles ranging in difficulty from pre-school to adult. Try 18 different pictures with number of puzzle pieces up to 256. Tracks number of correct moves, total tries, and total playing time. $19.95 *Signs Etc. by D. Knox*

Super Puzzle Data Disk
Compressed. Automated decompression results in two or more puzzle disks. Data disk #1: Original 32 color graphics and speech for 18 nursery rhymes. Data Disk#2: 18 animals and famous places. Requires original Super Puzzle. Mail order only. $15.00 *Signs Etc. by D. Knox*

Superstar Ice Hockey
A complete hockey simulation. Play center or goalie, coach a team, trade and draft players. You choose the level of complexity. Full player movement for up to 12 players on the screen. Variety of play options. $49.95 *Mindscape Inc.*

Superstar Indoor Sports
Tired of those boring outdoor games? Of getting dirty and sweaty? Then try Indoor Sports! A little air hockey? No sweat. Like to bowl? Then roll on. Darts anyone? Play against other players or against the computer. But play hard because these fast-paced games are every bit as challenging as the real thing. Features 4 action-packed games in one package, realistic 3D graphics and animation. $49.95 *Mindscape Inc.*

Suspect
You're framed for murder at an elegant masquerade ball. Use all your skills to prove your innocence. $14.95 *Infocom*

Suspended
From a cryogenic capsule, repair your home underground capsule by commanding six robots. $9.95 *Infocom*

Sword of Sodan
Action packed adventure. You take the part of one of the mighty twins, Sodan or Sodanna, who must rescue their parents trapped inside the evil castle Cragganmoor. Great animation of forests, graveyards, and characters who stand almost 2/3 screen size. Players direct characters actions as he or she jumps over obstacles, fights sword battles, and negotiates treacherous castle corridors. 11 exciting levels in all—using 4 MB of graphics and sound. $49.95 *Discovery Software International*

Tanglewood
Control five mining mobiles, each with its own programs and data. Search the planet Tanglewood for the priceless 3D crystals. Problem solving in real-time, with over 1,200 locations to visit. Mouse-controlled, no text entry. Success depends on your problem solving and dexterity. $39.95 *Microdeal*

Targis
Targis is our best agent. He must infiltrate the enemy's hideout and retrieve top secret stolen parts. Over 200 levels (the Level Editor allow infinite levels). Users can change all game graph-ics and animation with the program supplied on game disk. Written in 68000 assembler. $39.99 *Incognito Software*

Teenage Mutant Ninja Turtles
Team up with these heroes on a halfshell, armed with wacko bombs and armed blimps, as you fight off the Evil Foot Clan. Features alternate play for 2 players or one against the computer. Joystick and mouse optional. Available Spring/Summer 1989. $39.95 *Konami Inc.*

TeleEpic
The medieval version of the ultimate strategy war game. Instead of commanding tanks and artillery, you lead a band of heroes waging war against your mortal foe. Test your skills wielding a mighty axe or sword. Throw a dagger or check your accuracy as an archer. $39.95 *Software Terminal*

TeleGames
Like all our 'Tele' products, TeleGames provides the enjoyment of competition without the problem of where to play. Competition is enhanced with smooth 3D perspective graphic animation and digitized sound effects. Players may compete on one computer or 'TeleConnect' via modem. $34.95 *Software Terminal*

TeleWar
Strategy war game for two players at one computer or over the telephone. Destroy the opponent's headquarters. $39.95 *Software Terminal*

Telewar II
The Ultimate War Game Revisited with new terrains and enhanced game play features. Experience the ecstasy of blasting your best friend to rubble or disintegrating someone you don't even know. Watch out! You may be the next casualty peering out of a twisted pile of smoldering steel. $39.95 *Software Terminal*

Temple of Apshai Trilogy
Explore Apshai, beneath the Sahara. Nearly 600 dungeons and other dark places to explore as you adventure through 12 levels of mazes, monsters, and magic to mythical Egypt. Includes 80-page book of Apshai lore. $19.95 *EPYX*

Terrorpods
As the sun disappears over the horizon, the uninviting, grey bleakness of Colian becomes apparent and the onset of night adds the bitterness of sub zero temperatures. Suddenly a shrilling siren, the status panel has gone crazy. Frantically, you attempt to decipher what has happened. You're whole being freezes...It can't be! The Terrorpods. $39.95 *Psygnosis Ltd.*

Test Drive
Driving simulation lets you drive one of 5 sports cars. Game ends early if you drive too slowly, go off the road, or get pulled over. $44.95 *Accolade*

Tetris
Requires fast thinking and quick reflexes. A variety of shapes descend from the top of the screen, player manipulates shapes into position to form solid rows. Challange and speed increase at higher levels. $34.95 *Spectrum Holobyte*

Tetra Quest
Before the first galactic games can start, you must recover the stolen 6 Phoenix Tablets. They've been stolen by the Tetroids, who weren't invited to participate. If you can recover the Tablets, Phoebus, the sun god will make you a Phoenix and you'll soar above the four-level world. Space Age action. $39.95 *Microdeal*

Thai Boxing
Realistic kick-boxing program for the Amiga. $14.95 *Artworx*

The Android Decision by *DataSoft*
Take control in this sci-fi strategy while two cities battle for power. Each city produces robots that are capable of diverse roles. $34.95 *Electronic Arts*

Entertainment

The Art of Chess
Play against the computer or a challenger in this advanced chess game. Includes tournament-style chess clocks, mouse control, adjustable play style and level, onscreen performance meter. Help is available through the hint option and voice or text cues. $34.95 *Anco Software USA Inc.*

The Bard's Tale
Let the Bard use his magical talent to help you defeat Mangar, the evil scourge of Skara Brae. Sound effects, music, over 85 spells. $49.95 *Electronic Arts*

The Bard's Tale II: The Destiny Knight
A new Bard story with a new villain—the Archmage. More dungeons, clues, monsters, wilderness, and more. $49.95 *Electronic Arts*

The Big Deal!
Help revise the programming of kitchen magician Robot Floyd II to prepare food using the latest hi-tech cooking equipment. $34.95 *DigiTek, Inc.*

The Black Cauldron by *Sierra On-Line*
Based on the popular Walt Disney movie. Several game solutions, music, and 3-D color graphics. $39.95 *Electronic Arts*

The Chessmaster 2000
Library of over 71000 moves, boasting 12 different levels of play from Newcomer to Grandmaster, including Teach and Hint. Players can play against the Chessmaster or select the Two People mode and have the program referee. It allows players to make back moves, show captured pieces, print games, replay games, solve problems, or watch great matches from the library. Complete with booklet. $44.95 *Software Toolworks*

The Crimson Crown
In this sequal to Transylvania, return and rid the kingdom of the evil Vampire! Princess Sabrina and Prince Erik accompany you on this quest to find the vampire and recover the magical crown. (Available for A1000 only.) $19.95 *Polarware Software*

The Crossword Creator
Design, save, and print your own crossword puzzles. Fast 4O,OOO word pattern matching dictionary. $49.95 *Polyglot Software*

The Cyber Complex
Travel to the underground city controlled by a paranoid computer that kills all who try to reprogram it. Available February 1989. $34.95 *DigiTek Inc.*

The Dead of Winter
The ultimate game for the gore thrill-seeker! Experience scene after scene of horrifying blood, guts and gore. (Warning! This game contains explicit scenes of violence and may not be suitable for all age groups.) Available Fall 1989. $39.95 *Digital Concepts*

The Enigma Device
A great game for those who enjoy brain flexing cryptograms. It teaches concepts of code breaking and includes many useful hints for beginners. Tracks up to 20 players so everyone can enjoy these exciting puzzle challenges. $39.95
King Publishing

The Financial Time Machine
A historical view of the stock market from the early 1930's through the present. See how the various changes occur with different market conditions such as famine, peace, war, depression, prosperity. $39.95
INSIGHT/Lebner Communications

The Games: Winter Edition
Find yourself smack in the middle of seven exciting Olympic events. From the adrenaline rush of the downhill skiing to the poetic beauty of figure skating. Players can change points-of-view from one event to the next. Compete against friends or the computer. Designed after the Calgary '88 Games. $39.95 *EPYX*

The Golden Pyramid
A game show for the Amiga, complete with talking host. Up to five players. $19.95
Micro Entertainment

The Guild of Thieves
Back in the unreal country of Kerovnia, you might find yourself ditched on a remote jetty by the Guildmaster, or that he expects you to ransack a well guarded mansion, or go grave-robbing, potholing, or maybe—if they're really doubtful of your abilities—everything at once! One hint: don't try any funny stuff, the Guildmaster has seen it all before. $44.95
Rainbird Software

The Honeymooners
Role play based on "The Honeymooners" TV series. $39.95 *First Row Software Publishing*

The Hunt for Red October
Submarine combat simulation based on the bestseller by Tom Clancy. Guide your Soviet nuclear submarine to the United States to defect. Uses mouse or joystick; scrolling message window gives time updates. $49.95
Electronic Arts

The Island of Lost Hope
Enter a world of pirates, blood, treasure, and dangers yet to be discovered. You've been cast away and left to die by renegade cutthroats, and you must outsmart them and get back to the Island of Lost Hope. Once you get there, use your wits to locate the Lost Treasure of The Forgotten Souls. Pray for strong faith and a quick mind to avoid the perils that await. $39.95 *Digital Concepts*

The Lurking Horror
Explore the nether regions in the basements and storage rooms of G.U.E. Tech. Confront shapes, sounds, unique characters and horrifying sights as you solve the challenging puzzles of the dreaded horror below. $14.95
Infocom

The President is Missing
Terrorists have taken another hostage. Only, this time, it's the President of the United States and several other members of a top-secret economic summit. Your job: find them! Includes 30 minute audio cassette with kidnapper's demands and mystery clues. Foil this diabolical plot! $39.95 *Cosmi Corp.*

The Pawn
Set in the mythical world of Kerovnia, the Pawn represents all its characters and objects as if they existed in a real world. Your objectives are many, but the simplest is to escape from Kerovnia. You'll find others as you wander about the land and communicate with the characters you meet. Stunning color graphics. $24.95 *Rainbird Software*

The Remarkable Talking Super Puzzle
Preschool to adult. 90 possible jig-saw- type puzzles with 18 pictures. 5 levels: 4 pieces to 256 pieces. Lower levels feature spoken introduction and instructions. Based on principles of behavioral psychology with compliments and rewards. Player options for picture, level, menu, music, slideshow and various screen manipulations for the curious. $19.95 *Signs Etc. by D. Knox*

The Rubicon Alliance by *DataSoft*
Tranquility prospers in Hyturian until the pirate planet, Nono, stealthily slips through the outer fringes of the Rubicon, raiding solar shipping, destroying outposts. As starfighter commander Hawkins, you have been ordered to find Nono before it destroys the alliance. You are required to complete eight difficult missions, each with a specific goal and time limit. The 3D holocube, vital to your quest will assist you in charting planet and revealing the flight of enemy craft. $29.95
Electronic Arts

Entertainment

The Scrolls of Talmouth
First in a series of quest disks for Paladin, the animated fantasy game. Each quest disk includes 16 games, all linked into one grand quest. Mages, swordsmen, rangers and thieves will put you to some difficult tests on your path to knighthood. $24.95 *Omnitrend Software Inc.*

The Seryachi Campaign
First in a series of combat scenario disks. Each disk includes 16 scenarios—all set within a self-consistent network. Whether you're fresh out of bootcamp or a veteran STAR leader, these campaigns will give you a chance to test your mettle against a challenging set of opponents and conditions. $24.95 *Omnitrend Software Inc.*

The Surgeon
Realistic open-heart surgery simulation game. Race against time. Monitor BP and EKG closely—one mistake and he's a goner. Educational as it teaches human anatomy. $49.95 *ISM Inc.*

The Three Stooges
Join the zany masters of mirth as they try to save the local orphanage from the clutches of the evil banker who wants to foreclose. Rescue old lady and her three beautiful daughters. Situation and digitized voices and sound effects from classic stooges films. Eye-popping graphics and animation. You'll feel like you're starring in the original Stooges movies. $49.95 *Cinemaware Corp*

The Twilight Zone
Modeled after the television series. Several stories merge into one plot with a strange twist. Includes Twilight Zone music and soundtrack. $39.95 *First Row Software Publishing*

The Universal Military Simulator
Re-enact ancient battles of classic history. Make each conflict come to life on three-dimensional contoured landscapes. Pre-programmed historical battles include Gettysburg, Hastings, Marston Moor and Waterloo. View from any angle, go from an overview or zoom in to an individual unit. Design your own maps on a unique three-dimensional grid system. Create your own orders of battles and objectives using a powerful built-in editor. $49.95 *Rainbird Software*

Thexder by *Sierra On-Line*
Pilot your armored robot through caves, cargo holds, and spaceship interiors. Transform Thexder into a jet. Over 20 kinds of aliens, hi-res artwork, synchronized soundtrack. $34.95 *Electronic Arts*

Thud-Ridge
You lead Wild Weasel in a modified Thud, and F105 Thunderchief. Only one thing stands between you and Hanoi-Thud Ridge—40 miles of rolling terrain leading straight downtown. Being a Thud Driver demands nerve, skill and raw courage. Master the 10 actual missions if you've got the guts, this is your game. Available February 1989. $39.95 *Three-Sixty*

Thunderboy
An action-adventure game. Battle the dragon in the dark land where even the butterflies are deadly. $34.95
DigiTek, Inc.

Time Bandit
16 lands, 16 levels per land, over 3000 screens. Travel through time and space for priceless treasures. $39.95 *Microdeal*

Torch 2081
You are a pilot in the World Military Service chosen to defend your planet, Torch, against the remnants of interplanetary nuclear wars. Use the Surface Defense Glider to create panels that protect the inhabitants of the planet. Be careful, the task won't be easy: you'll face fireballs, deadly spit fires, and the perimeter patrols who trace the edge of the panels in an attempt to vaporize you. Over 90 levels of play. $29.95 *Digital Concepts*

Tournament Disk for Leader Board
Accessory for Leader Board. $19.95 *Access Software*

Tracers
The interiors of all computers have been invaded by terrorists, thieves, and other lowlifes. As a member of the Integrated Human Operations Police, you must stop them. $34.95 *MicroIllusions*

Transylvania
The classic adventure by Antonio Antiochia. Rescue Princess Sabrina before dawn and avoid the Transylvanian night life. (Available for A1000 only.) $19.95 *Polarware Software*

Traveler by *Paragon*
A science fiction role playing adventure. Explore unknown star systems, trade and piracy, governments and political structures. Meet bizarre human and alien cultures and battle in fast-action combat with futuristic weaponry. The first adventure will focus in a sparsely settled area of the Imperium called the Spinward Marches. The Marches are fertile ground for powerful adventures, literally surrounded with cultures often characterized as other than friendly. Available March 1989. Price unavailable. *Electronic Arts*

Trinity
It's the end of your London vacation and the beginning of World War III. Escape to another universe before an H-bomb vaporizes the city. Learn to travel through time and space, back to the dawn of the atomic age. $14.95 *Infocom*

Trivia 1 Expansion Disk for Discovery
Trivia categories include Nobel Prize winners, sports, and famous quotes. Discovery program disk required. $19.95 *MicroIllusions*

Trivia 2 Expansion Disk for Discovery
Trivia categories include movies, space travel, and famous people. Discovery program disk required. $19.95 *MicroIllusions*

Turbo
Speed through cities, countrysides and mountains in this road war game with continuous shooting excitement. Increasing levels of difficulty, obstacles to both help and hinder the driver. $24.95 *MicroIllusions*

TV Sports Football
Over 28 teams play a 16-game season with post-season playoffs. Pregame warmup shows, broadcasters, cheerleaders, fans, and a half time show add to the realism. Call the shots as head coach, or play as quarterback, running back, or wide receiver. Set up your offense and defense. Full color graphics and animation. Play against the computer or in head-to-head action. Requires 1 MB RAM. $39.95 *Cinemaware Corp.*

Twilight's Ransom by *Paragon*
Interactive graphics/text adventure set in dangerous big city. You have twelve hours to rescue your kidnapped girlfriend Maria. Standing in your way is a rogue's gallery of hustlers, con men, and gangsters. Features include a picture disk with over twenty detailed illustrations. Actual clues to help you solve the mystery; over 175 mysterious locations to explore, and a complex plot in the best crime adventure tradition. $34.95 *Electronic Arts*

Twin Ranger
Solid 3D perspective graphic scrolling gives 2 players both horizontal and vertical smooth scrolling background plus improved sound and animation. $39.95 *Starvision International*

Ultima III
Fantasy role-playing. Defeat the evil wizard, using navigational strategies and ship-to-ship combat. Advanced dungeon graphics and full color visuals. One to four players and roster of up to 20 characters. Soundtrack with on/off sound toggle. $39.95 *Broderbund Software, Inc.*

Entertainment

Ultima IV
Fantasy role-playing. Become an Avatar and lead your people by demonstrating the virtues of Avatarhood. Hundreds of characters to interact with. Difficult challenges, ethical dilemmas. $59.95 *Broderbund Software, Inc.*

Uncle D's ConSOUNDtration
A game of concentration using graphics and digitized sound. 3 games: pictures, numbers, and letters. Age 4 and up. $39.95 *AlohaFonts*

Uninvited
Interactive adventure with graphics. Search for your brother in a demon-filled mansion. Digitized sound and animation. $49.95 *Mindscape Inc.*

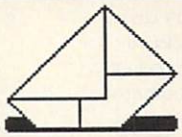
Vampire's Empire
Battle against bloodthirsty vampires. Animated graphics. $44.95 *DigiTek, Inc.*

Video Vegas
Exciting casino action on your computer. Try your luck on slot machines, draw poker, Blackjack or Keno. Includes Blackjack card counting. Games look and play exactly like the real versions in Las Vegas. Offers fun for the beginner and challenges the pro. $34.95 *Baudville*

Virus
Destroy the killer genes with scanners, laser cannons and heat-seeking missiles. Experience superfast scrolling with twisting, curving, patchwork landscape below and high-speed, attack runs from above. Arcade action and addictive game play provide hours and hours of fast, furious entertainment. Multi-directional movement and highly sensitive control system make flight virtually effortless. Virus is addictive, infectious and fun. $29.95 *Rainbird Software*

Viper Patrol
Muscles tense, beads of persperation dot your brow as trained eyes search a scrambled message. Mission control has spotted enemy activity in the 7th quadrant: your backyard. Starfleet is on routine patrol far beyond the other side of the galactic core! No signal can reach them in time. Strap yourself in and blast off to meet danger head on! Hone skills to perfection as you blow apart wave upon wave of enemy vipors! Keep your finger on the trigger and eyes on incoming fighters as you remember only this: you're all you've got! $14.99 *Keypunch Software*

MOVING?



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Vyper
Save the universe. Over 100 levels, 25 opponent types, and panning stereo sound. Extremely fast animation. For 1 or 2 players. Addictive! $39.99 *Incognito Software*

War in Middle Earth by *Melbourne House*
Fantasy role playing, war strategy, animated adventure game. Follow in the footsteps of Frodo, Aaragorn and Gandalf as they battle to get the ring to the Cracks of Doom. The Destiny of Middle Earth lies in the balance. Roam at will across the 36-screen scrolling map containing thousands of digitized locations in which you can control a cast of over 80 animated characters or armies. $49.99 *Mastertronic International*

Warlock
You alone have been chosen to rescue the stolen Karna from the depths of darkness. Journey through 20 levels of ghoulish graveyards and creepy countryside to locate this precious jewel. Equipped with only your wits and your scepter, you'll do battle with as motley an assortment of critters as you've ever imagined! $34.95 *Three-Sixty*

Way of the Little Dragon
Karate adventure game with eight levels and four challenges. 6 different kicking techniques, 2 punches, 2 parrying techniques, and 4 colorful background screens. $19.95 *Constellation Software*

Wayne Gretzky Hockey
This riveting simulation is packed with all the strategy, excitement, and hard-hitting action we could squeeze into an Amiga. Actual digitized fight videos drop you right where the playing gets rough! Fully animated players, digitized stereo effects right from the rink, extensive player stats, variable speed instant replay lets you review the action in forward or reverse. $49.95 *Bethesda Softworks*

Wayne Gretzky Hockey Data Disk
Includes 24 NHL teams with player names and numbers, 11 different player ratings and line combinations. $19.95 *Bethesda Softworks*

Entertainment

Western European Tour
Our latest and hottest scenery disk available yet! To be used with all subLOGIC flight simulation products. Detailed scenery covering southern Great Britain, northern France, and southern West Germany. The basis of our fun "Find Red Square" promotion. $24.95 *subLOGIC Corporation*

Western Games
Package contains two disks and is played in the tradition of the Wild Wild West. One or two players can compete in a series of wacky olympic-style contests including: arm wrestling, beer shooting, cow milking, dancing, eating, and quid spitting??? Digitized sound and great animation! $34.95 *DigiTek, Inc*

Who Framed Roger Rabbit?
The movie comes to the small (Amiga) screen. Three great arcade sequences in a game animated with Disney art. $44.95 *Buena Vista Software*

Willow
Let Willow introduce you to three very unlikely heroes who will have to fight for the survival of everything that is good in the world. The Baby: Destined to cause the downfall of the evil Queen Bavmorda. The Warrior: A master swordsman who's skills are the only thing standing between the baby and certain death. And the Farmer: He dreamed of magic and adventure and got his wish. Includes seven seperate, exciting game sequences, a game reset option that allows you to create new maps and new spells, virtually a new game! $39.95 *Mindscape Inc.*

Winnie-the-Pooh in the Hundred-Acre Wood by *Sierra On-Line*
Educational game by Sierra and Disney. A gusty wind has scattered Pooh's friends' things all over the countryside. Help Pooh and the others find their belongings. Music, animation, many game solutions. Price unavailable. *Electronic Arts*

Winter Challenge
Go for the gold in five winter events: Ski Jump, Downhill, Bobsled, Giant Slalom, and Biathalon. Animated graphics. One to six players. $14.95 *Mindscape Inc.*

Winter Games
Participate in seven different events, from downhill skiing to figure skating. Compete against your friends or the computer. Complete with national anthems. $19.95 *EPYX*

Wishbringer
A ransom note from a kidnapped cat takes an ordinary mail clerk through extraordinary adventures to the powerful Wishbringer stone. $14.95 *Infocom*

Witness
You're a hard-boiled detective in 1938 L.A. Find the real culprit of a murder case or face suspicion yourself. $9.95 *Infocom*

Wizard Wars by *Paragon*
Creative graphics adventure. Tale of gallant heroism and wicked villainy. Set in the imaginative fantasy kingdom of Mogardia. State-of-the art graphics; over 50 fantastic creatures; sophisticated combat generation, 3-D scrolling mazes, sound effects, musical score. Includes Wizard's spell book and pouch. Available March 1989 $39.95 *Electronic Arts*

Word Plex by *PAR Software*
Players take turns spinning a wheel and guessing letters in mystery phrases. $34.95 Additional data disks. $24.95 *Brown-Wagh Publishing*

Word Plex 2.1 by *PAR Software*
Updated version of Word Plex. $39.95 *Brown-Wagh Publishing*

Word Plex Data Disks by *PAR Software*
Additional data disks. $24.95 *Brown-Wagh Publishing*

World Class Leader Board
Update to Leader Board. $44.95 *Access Software*

World Games
Travel around the world to compete against international athletes in eight sporting events. Ski in France, roll logs in Canada, dive cliffs in Mexico, lift weights in Russia, ride bulls in the U.S. $39.95 *EPYX*

World Tour Golf
Choose from over 20 different courses or design your own. Model your player after a favorite pro golfer. Split screen allows player to view overhead or golfer's eye view simultaneously. $39.95 *Electronic Arts*

Zero Gravity
You're on a journey of discovery into the farthest reaches of the universe, charting new courses into the unknown. But space travel can get monotonous, what can you do? Play Zero Gravity, space age raquetball. You're on one side of the cargo bay in a weightless atmosphere. Use your paddle to hit the red and white ball off the panels to trick your opponent. You use the top half of the screen, your opponent uses the bottom. $29.95 *Microdeal*

Zoom
Maze strategy in space. Easy to learn, but oops factor makes it difficult to master. $29.95 *Discovery Software International*

Zork I
The interactive classic that takes you to the ruins of an underground ancient empire to search for the Treasures of Zork. $14.95 *Infocom*

Zork II
Journey to a hidden region ruled by the exiled Wizard of Frobozz. $14.95 *Infocom*

Zork III
Finish the game by finding out why you are in the perilous ruins of the empire and what you are supposed to be doing there. $14.95 *Infocom*

Zork Trilogy
Zork I, Zork II, and Zork III all in one package. $49.95 *Infocom*

Business

The Amiga in Business

Since its introduction, the Commodore Amiga has been heralded as a fantastic graphics computer. The Commodore Amiga marketing plan has shown how easily the Amiga can fit into the offices of graphic artists—a group that enjoys the freedom a graphics-oriented computer allows.

Luckily, a few individuals and software manufacturers believed the Amiga was much more than a pretty paint box. Through their efforts, they have either written or ported vast quantities of software designed for the business user. From databases to statistical analysis, the Amiga has been flexed and expanded to fulfill a variety of new roles.

By utilizing the tools provided for the more artistic Amiga users, these software products have extended the reach of us all. Now a database can store and retrieve a great deal more than just numbers and words. Today's Amiga databases can manipulate sights & sounds. The simple "blind" computers of yesterday have been replaced by a calculating machine which reaches into the senses as well as the intellect.

•Accounting•

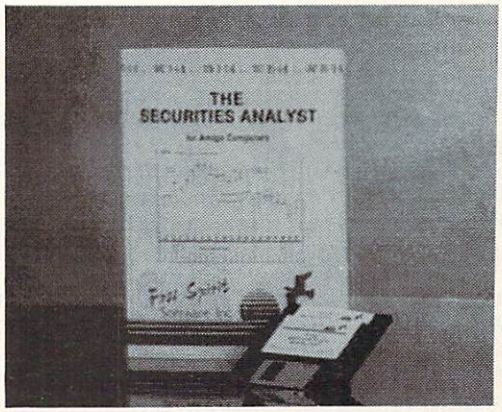
2+2 Home Management System
Personal accounting database. Allows information sharing between modules including financial management, appointment calendar, mailing list, telephone directory. $99.00 *Arborsoft, Inc.*

Accounts Payable
Helps manage and track cash liabilities. Posts payments to General Ledger or Check Ledger. $99.00 *Computerware*

Accounts Receivable
Indicates overdue accounts, records key customer information, tracks invoices, and prints statements automatically. $99.00 *Computerware*

BEST Business Management
Easy-to-use, fully integrated business management and accounting system. Contains Inventory Management, Order Processing, Purchase Orders, and more. $395.00 *B.E.S.T. Inc.*

BEST General Ledger
Stand-alone general ledger. $79.95 *B.E.S.T. Inc.*



BEST Payroll Management
Stand-alone payroll management system. $79.95 *B.E.S.T. Inc.*

Bottom Liner
Accounting program for home and small businesses. Checkwriting, spreadsheets, 700 user-defined accounts in budget, income, expenses, assets, liability, and equity. $269.00 *Clockwork Computers*

Budgeteer
Budgeteer is a practical, low-cost budget preparation designed for home and business use. Features an easy to learn interface that uses the Amiga mouse, menu and windowing environment to record actual and budgeted monthly expenses and credits. Data can be presented in tables, pie charts, or one of 36 bar charts, all of which can be output to any of the printers supported in Preferences. Requires 512K of RAM. Not copy protected. $395.00 *Prackticon, Inc.*

Check Ledger
Single-entry bookkeeping system for a small business or personal use. $99.00 *Computerware*

Ea$y Loan$™
Incorporates all the Amiga's Interface features to help users manage their loan and credit records. Keeps track of loan with remaining interest, principal, and time. Also helps uncover and avoid paying hidden or incorrect charges. Features flexible customization of amortization, viewing and printing of summary schedules, on/off speech and user-definable color palette setting, detailed printouts, and more. Price unavailable. *PAR Software*

Financial Plus
Integrated accounting system with four systems: General Ledger, Accounts Payable, Accounts Receivable, Payroll. Also includes check, statement, W-2, and invoice printing. $295.00 *Equal Plus, Inc.*

General Ledger
Comprehensive double-entry system. Includes audit trails, closing procedures, and full reporting. $99.00 *Computerware*

Integrated Merchandiser
Point-of-sale and full accounting program with payroll. Automatic posting of sales to ledger. Operates a cash drawer. Up to 98,000 transactions per year. $499.00 *Clockwork Computers*

KEEP-Trak General Ledger
Record keeping system for home or business use. Many features. $49.99 *The Other Guys*

Money Mentor
Keep track of your pennies and your dollars will take care of themselves. Money Mentor is a breakthrough in personal financial management. It harnesses the awesome power of the Amiga to compute and graph clear reports of your financial situation. Money Mentor has a unique system called Smart Scrolls which will study previous transactions and remember details about them, Budget System: 200 categories/ Transaction System. $95.95 *Sedona Software*

Nimbus
Cash basis accounting system for small businesses. Tracks customers and vendors. Features pre-defined reports and invoices, constantly updated general ledger, more. $149.50 *OXXI, Inc.*

Payroll
Accomodates all pay types and pay periods. Includes federal and state tax reporting, quarterly, tax statements, W-2's paychecks, cost accounting. $99.00 *Computerware*

PHASAR
Financial record-keeping program. Provides savings and loan analysis, budget reports, projects and prepares income taxes. Includes full documentation and help screens. $99.95 *Finally Technologies*

Point-of-Sale Inventory
Includes an integrated sales order entry and invoicing feature for customer sales, tax-reporting and profitability analysis. Post customer invoices to the accounts receivable module automatically. $295.00 *Computerware*

Business

Rags to Riches Accounting Package
Accounts Payable, Accounts Receivable and General Ledger accounting package suitable for a small business. $499.95 *Chang Labs*

Rags to Riches Accounts Payable
Accounts Payable accounting package suitable for a small business. $199.95 *Chang Labs*

Rags to Riches Accounts Receivable
Accounts Receivable accounting package suitable for a small business. $199.95 *Chang Labs*

Rags to Riches General Ledger
Accounting package suitable for a small business. $199.95 *Chang Labs*

SPECTRUM
Complete accounting system. Incorporates transaction, account, company, ledger, and journal functions. Price unavailable. *Progressive Peripherals & Software*

Tax Break
Easy to use with on screen representation of forms and schedules, fast recalculation, and constant status of taxes due or refunds. On screen IRS booklet, pop-up calculator plus many more features. $79.95 *OXXI inc.*

The Accountant
Full-range simplified accounting system featuring Sales, Expenses, Receivables, Payables, Inventory, Cost, Payroll and General, Point of Sale Invoicing and Sales and Purchases Journals. Help windows, 10 check registers, more. $299.50 *KFS Software, Inc.*

The Tax Strategist
Federal and California State income tax program includes Federal form 10-14, Schedules A, B, C, D, E, and SE; Forms 2441 and 2106; and California State form 540 and schedule CA. $69.00 *Digital Dynamics*

•Business•

AMT
Amortization and cost evaluation. $39.99 *The Other Guys*

BEST Business Budgeter
Budget for General ledger. $79.95 *B.E.S.T., Inc.*

BEST Plan/IT
Spreadsheet for January 1989 release. $150.00 *B.E.S.T. Inc.*

BEST Present/IT
Business presentation package. Price unavailable. *B.E.S.T. Inc.*

Flow
Organizes thoughts and ideas to create sales reports, school papers, even novels. Plan business strategies and schedule appointments. Open several outlines simultaneously, cut and paste between them. Many applications. $99.95 *New Horizons Software, Inc.*

General Inventory System
Keeps track of inventory levels and reorder list. Identify fast and slow movers, seasonal trends. Four cost levels, automatic sale flags, and multiple vendors. $99.00 *Computerware*

Haicalc
Multitasking, multi-windowing spreadsheet. Simple operation, color graphics, more. Supports Intuition. All data files created with icons to allow the user to manipulate both worksheet and text files under Workbench. All commands accessible from the menu. $59.95 *Haitex Resources*

Home Inventory Manager
Keeps track of your insurance and personal posessions. $34.95 *Sunsmile Software*

Impact!
Provides all the elements required to make impressive desktop presentations of data for graphs and slideshows. Create a variety of charts: bar, pie, line, scattergram. Charts can be stacked, overlapped, or displayed in 3D. Graphs can be printed or saved as slides. Pull-down menus, prompts, FAST menu. Commands via mouse, keyboard, or digitizing. $89.95 *Aegis Development, Inc.*

Investor's Avantage
Stock market analysis package for charting and comparing up to 500 stocks. Select the best stocks and time your trades. Features automatic update capability, starter history for General Market indicators. $99.95 *Software Advantage Consulting Corporation*

K-Spread 3
Spread sheet with 256 x 8192 matrix (depending on individual memory). Uses macros to utilize the GEM interface. Data interchangeable with K-Word 2 and K-Graph 3. $179.95 *Microdeal*

LOGiSTiK
Spreadsheet, database, time management and analysis in one package. $149.95 *Progressive Peripherals & Software*

Maxi Plan 500
Spreadsheet with many features including multiple user interfaces, linked spreadsheets, color, 2 chart styles, 75 built-in functions, database capabilities with sorts on any number of fields, and more. $149.00 *OXXI, Inc.*

Maxi Plan Plus
All the features of MaxiPlan 500 plus a macro language facility to automate spreadsheet analysis. Includes over 95 functions plus an automated record mode for easy macro creation. Includes Step and Follow mode for first time users. $199.00 *OXXI, Inc.*

MICROLAWYER
Includes over 100 commonly used legal documents. Lets you produce your own forms and contracts. Includes 217-page manual. $59.95 *Progressive Peripherals & Software*

NAG Plus 3.0
Scheduling assistant verbally reminds you in advance of regular or one-time event—up to 99 per year—then "nags" you about it. Fully memory-resident, runs in the background with other Amiga software, and synthesizes sounds using the Amiga voice and sound hardware. Enter events like birthdays one time, place them in the Perpetual Calendar, then edit these events up to two years in advance. Reminds you in any form you choose, computerized voice, or any one of 24 fully-adjustable and programmable bells and whistles. Also dials phone, generates reports, edits text, and provides on-line help and AREXX port. $79.95 *Gramma Software*

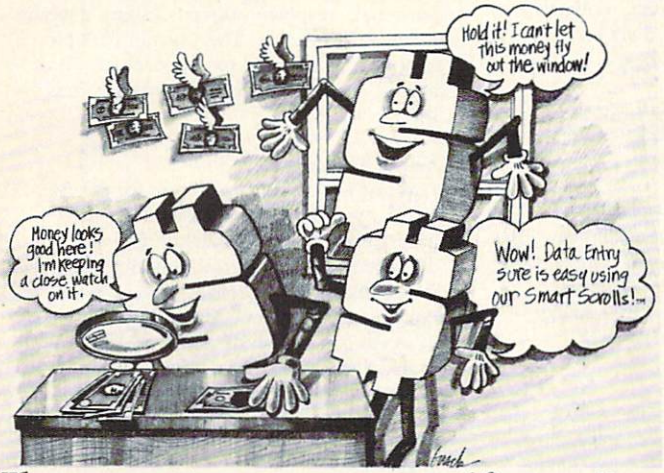
Phasar 3.0
Single-entry personal financial manager and organizer manages anyone's financial needs. Interactive accounts track and record personal revenue and expenses. Displays tax liability at any time; prepares individual tax forms and returns; and contains address organizer, desktop diary and appointment calendar. AI parser predicts input. Also features custom check printing, 130 income/expense categories, formatted reports, more. $89.95 *Antic Software*

Snip
Object-oriented graphic spreadsheet/signal display and analysis program. Display up to 20 graphs on screen. Zoom points into High-Res (2 point min.) windows. Custom interface. $500.00 *Digital Dynamics*

Take-Stock
Tracking program for stocks. Handles up to 100 stocks 365 days of the year. Shows graphs of gains and losses; supports printers. $49.95 *East/West Software*

The Computer Black Book
For home or office. Stores names, addresses, and telephone numbers. Will speak, dial, print, and sort. $35.95 *Meggido Enterprises*

Meet a team of the friendliest financial organizers you'll ever run across.



When you want to manage your personal finances, Money Mentor goes a step beyond.

Plug Money Mentor into your Amiga and a virtual teamwork effort takes place in watching over every aspect of your personal finances.

The new "C" version of Money Mentor is the friendliest financial organizer obtainable today!

Now you can experience super-speed data entry, dazzling graphic output and an extremely friendly attitude!

Smart Scrolls for speed.

Money Mentor has a truly unique system called *Smart Scrolls*, that handles a diversity of otherwise tedious data entry functions and clips along saving you up to 70% of your typing time. It's a *smart* addition to Money Mentor, that's why we call it *Smart Scrolls*.

Money Mentor Features:

- Net Worth Statement
- 200 Budget Categories
- 30 Integrated Accounts such as Checking, Cash, Savings and Credit Cards
- Elaborate Search Routine allows editing of transactions according to your specific guidelines
- Automatic Check Printing
- Automatic Account Balancing
- Color Graphic Reports illustrating *actual vs. budgeted* amounts
- Over 50 Reports to choose from!

What they're saying about us!

"Money Mentor has to be the nicest look and feel of any money manager package for home use that I have ever seen." — **Amiga Sentry**

"Money Mentor is an excellent product" — **Amazing Computing**

Money Mentor is for everyone!

It does more than just keep your checkbook balanced. Money Mentor helps you manage your personal finances which is important to any family or individual.

With Money Mentor, you can be looking better financially.

Order Money Mentor today.

Money Mentor sells for only $95.95!

VISA MasterCard

SEDONA SOFTWARE

SEDONA SOFTWARE/11828 RANCHO BERNARDO RD., SUITE 128-20/SAN DIEGO, CA 92128/CALL (619) 451-0151

The Critic's Choice
Combines top word processor, spreadsheet, and database programs in one package. KindWords word processor integrates text and graphics and includes 100,000 word spellchecker, thesaurus, and mail merge. MaxiPlan 500 advanced spreadsheet offers powerful data analysis and impressive business graphics. Microfiche Filer database stores text, numbers, and pictures in any combination, limited only by memory. Applications can be run simultaneously; and data is transferable between programs. $249.95 *The Disk Company*

The Works!
Three product package: Scribble! word processor; Analyze! spreadsheet; Organize! database. $199.95 *Micro-Systems Software*

The Works! Platinum Edition
The Works! plus two. Upgraded version includes Word Processing Module, Telecommunications Module, Database Module, Spreadsheet Module, Sideways Printing Utility. Programs use common interface, 1 box, easy-to-use manual, and 3 non-copy-protected disks. One user-friendly manual, free technical support for registered users. Cut, copy, and paste between all modules. Comes on 3 copy-protected disks. Requires 512K. $299.95 *Micro-Systems Software*

Unicalc 1.1
Electronic spreadsheet lets you enter, manipulate, and save information normally written on a multi-column ledger. Features 256 columns x 8192 rows, online help, multiple windows, multiple cell addresses, over 20 commands, over 10 arithmetic expressions, and over 30 algebraic and conditional expressions. Fully compatible with leading spreadsheets. $79.95 *Lattice, Inc.*

Video Cataloger
Keeps track of your video collection. $29.95 *Sunsmile Software*

VIP Professional
Spreadsheet helps keep up with stocks and mutual funds on a weekly basis. Features database, color graphics, more. $99.95 *ISD Marketing*

Who! What! Where! When!
Combination phonebook and calendar provides convenient access to people, places, and things to do. Unlimited search capabilities, clear displays, and printout options. Add organization at the touch of a button. Fast, powerful, and easy-to-handle. $69.95 *Blue Ribbon Bakery*

WordPerfect Library
Helps organize appointments, notes, files, and programs. Includes Calendar, Notebook, Calculator, File Manager, Program Editor. $129.00 *WordPerfect Corporation*

Business

Write & File
Integrated word processing and database management. Many features. $99.95 *Softwood Company/Brown-Wagh Publishing*

•Database•

Aquisition
Fully programmable, fully relational database, utilizes the Amiga's power and innovation. IFF sound and sound support, report generation, calculated fields. Specifications limited only by memory and storage. $299.95 *Haitex Resources*

Database 4
Four easy to use database applications for home inventory of VCR tape collections, stamp collections, etc. Also holds IFF graphics. $69.95 *Microsearch Inc.*

DATAFAX
Free-form relational database. Information is arranged in pages within folders. Define keys, cross-referencing. Ideal for organizing notes, bibliographies, speeches, articles, catalogs. Organize your notes and reduce research headaches. $99.95 *Pecan Software Systems, Inc.*

DataRetrieve
Set up your data files quickly using on-screen templates called masks. Many features and help screens. $79.95 *Abacus Software*

dBC III 2.0
An alternative to programming in the dBASE interpretive language. Create, access, and update dBASE III-compatible files without using dBASE. Open and process up to 10 data, Index, or Memo files. $150.00 *Lattice, Inc.*

dbPro
Fast, powerful, portable dBASE-compatible database management. $299.95 *Lamplighter Software, Inc.*

Microbase
Ready to use as soon as loaded. For home, business, and school. $24.95 *Anco Software, Inc*

Microfiche Filer
Graphic and text database with side-by-side viewing for video storyboarding. $99.00 *Software Visions, Inc.*

Microfiche Filer Plus
File manager includes full programmer interface using ARexx. 33 powerful new commands allow database access from any ARexx macro. Automatic field calculations, HAM picture storage, database programming, direct control over other applications, dynamic data import and export with ARexx-compatible applications. $179.00 *Software Visions, Inc.*

MultiBase
Uses record locking to allow simultaneous access to data files from several terminals. Includes Multi-User System Software. $249.00 *Conceptual Computing*

Omega File Data Base—Mail Merge
Mail merge database for check registers, invoicing, inventory and more. $79.99 *The Other Guys*

Record Manager Information Base
Information storage and retrieval system. Easy to use, multiple sorts, search by criteria, print by criteria, mailing labels 1 or 2 across, number of records limited by disk space. $99.95 (U.S.) *HC Software Australia*

RoloBase Plus
Information organizer for home or business. Tailor mailing lists by name, country, zip code, or specific keywords. Design mailing format to meet your needs. $89.99 *Equal Plus, Inc.*

Softwood File II SG
The only database manager that can combine data, pictures and sound in one file. Create real estate listings with floor plans, student yearbooks with pictures, foreign language dictionaries with pronunciation, etc. Incredibly easy to set up and use! The requirements are Amiga 500, 1000, 2000 - Kickstart/Workbench 1.2 or above - 512K RAM, 1 disk drive, preferences supported printer. $99.95 *Brown-Wagh Publishing, Inc/ Softwood Company*

Station Manager Tape Library Management
Manage your video and audio tape libraries easily. Tape Library Management saves you hours each week and provides great flexibility and look-up capabilities. $295.00 *ACS Software*

Superbase Personal
Powerful, easy-to-use data management system. $79.95 *Precision Incoporated*

Superbase Professional
Database management system for all Amigas. Fully relational. Programming language, graphic forms integration, more. $299.95 *Precision Incoporated*

•Statistical Analysis•

Anova
A complete set of analysis of variance algorithms for several experimental types, replicated factorials (one, two, and three way) unbalanced factorials (full, blocked, and fractional), response surface designs, analysis of covariance, more. The Duncan multiple range test is included for the comparison of means. Price unavailable *Lionheart Press, Inc.*

Arima Techniques
Contains the essential elements for the Box-Jenkins analysis of time-series. Data entry program allows transformation and differencing of time series. Programs calculate the coefficients of corellation suitable for drawing correlograms. Also includes Autoregression analysis and a program to evaluate the significance of the Durbin-Watson statistic. Two independent Box-Jenkins programs, an Arima (212) model and a three parameter model. $95.00 *Lionheart Press, Inc.*

Biometrics
Edited and expanded material from Sokal and Rohlf's Biometry. Descriptive statistics include stem-and-leaf displays, boxplots, coded tables. Also includes standard techniques such as histograms, simple data entry and test analysis. Detailed coverage of statistical distributions, statistical inference, and hypothesis testing (parametric and non-parametric). Also includes a set of programs for the analysis of variance of experiments. Price unavailable *Lionheart Press, Inc.*

Business Statistics
Contains the statistical tools most likely to be used in a business setting. Coverage similar to that of Experimental Statistics, but with a concentration on experiments most applicable in a business ambience, 2^k factorials, fractional factorials. $145.00 *Lionheart Press, Inc.*

CHIPendale Workbook
Software for sociology applications. Statistical analysis of contingency tables. Uses stored data sets or enter your own. Many features. $19.95 *True BASIC, Inc.*

Cluster Analysis
A collection of all the major cluster analysis algorithms. Data entry programs allow data entry and transfer to and from popular spreadsheets, scaling of metric data. Cluster analysis programs include procedures based

on arbitrary clustering criteria, sum-of-squares of distance criteria, Hmeans and Kmeans, criteria involving invariants, Wmeans, the multiple-location allocation problem, and miscellaneous features like the bond energy criterion technique. Programs provide results for plotting dendograms. $125.00 *Lionheart Press, Inc.*

Decision Analysis Techniques
Decision theory involving incomplete or conflicting information. Covers the major reaches of decision theory; assurance of samples and experiments, use of modeling and simulation, goal and mathematical programming, decisions under uncertainty and risk, decision tables and trees, more. $145.00 *Lionheart Press, Inc.*

Decision Trees and Tables
Allows decision-making according to logically and statistically correct principles. Treats utility analysis, Bayesian probability analysis, probability, and other statistical principles. Decision table program allows entering prior and posterior probability information. The decision tree programs allow ranking the decision hierarchy for optimum results. (No graphic layout of the decision tree is included.) Price unavailable *Lionheart Press, Inc.*

Inventories and Queues
Standard procedures for studying inventories with deterministic and probablistic demand, including economic production lot models, economic order quantities, more. Queuing programs handle steady-state queues with single and multiple channels, and simulation of queuing behavior under random input. $95.00 *Lionheart Press, Inc.*

Linear and Non-Linear Programming
Programs based on the SIMPLEX algorithm and the Monte Carlo technique. Implements general purpose and non-linear programming programs using a Monte Carlo technique. Special problems handled include distribution and transportation, assignment, and travelling salesman problems. $95.00 *Lionheart Press, Inc.*

Marketing Statistics
Includes data collection and sampling, tabulation and analysis of questionnaire data, forecasting procedures, more. Discusses market research experiments and provides programs to analyze variance of experimental data. Covers association techniques in detail, correlation analysis, multi-variate analysis, factor analysis, residual analysis, principal component analysis, more. Marketing techniques cover forecasting procedures and market auditing, critical path analysis helps prepare marketing plan. $145.00 *Lionheart Press, Inc.*

Matrix Operations
Performs simple operations like matrix routines, addition, multiplication, transposition, and inversion. More complex routines find the given values of symetric and non-symetric matrices, and Cholesky decomposition of matrices. Provides solution of sets of similar equations. Also provides data transfer programs for easily moving files to and from spreadsheets. $95.00 *Lionheart Press, Inc.*

Multivariate Analysis
Covers the major topics of multivariate analysis for those who have received formal training in that discipline. Manual and programs cover the major topics of the discipline, including multi-linear regression, correction analysis, factor analysis, discriminant analysis, canonical component analysis, and residual anaysis. Multiple population topics include MANOVA with and without a covariate. Includes full cross-tabulation program, and probit analysis programs. $125.00 *Lionheart Press, Inc.*

Optimization
Covers major topics in optimization: Optimization by sampling and inference, optimization by experiment, including the use of response-surface experiments and orthogonal arrays; optimization by mathematical programming, more. Special topics study queues and simulated queuing systems, inventory problems; optimizing financial portfolios. General purpose optimization program OPTIMIZE allows optimizing user-defined function; SIMULATE provides the response of a user-defined function to random inputs. $145.00 *Lionheart Press, Inc.*

Project Planner (PERT&CPM)
Handles job scheduling and optimum assignments. Major project planning based on the PERT and Critical Path Analysis techniques. Programs are activity-oriented (user must prepare the network of activities). PERT produces the critical path and probability of finishing on time. CRITPATH produces the critical path, then provides a report on all non-critical activities–latest starting times, earliest finishing times, etc. PLANNER is a full-featured project management program. $145.00 *Lionheart Press, Inc.*

Quality Control and Industrial Experiments
Thorough coverage of the standard quality control methods. All popular types of quality control charts have been implemented (with constant and variable sizes) and chart presentations conform to ASQC standards. Discusses statistical background of statistical quality control and all information related to chart preparation. Includes large section on the analysis of variance and experiment design. Topics and software cover traditional and more sophisticated quality control methods. $145.00 *Lionheart Press, Inc.*

Regression
Comprised of procedures based on the least squares technique. Program set includes simple linear regression, four multilinear regression programs, ridge regression, and regression using orthogonal polynomials. Provides a Durbin-Watson program to study the statistical quality control and all information related to chart preparation. Includes large section on the analysis of variance and experiment design. Topics and software cover traditional and more sophisticated quality control methods. $95.00 *Lionheart Press, Inc.*

Sales and Market Forecasting
Attacks the problem of how to make a forecast, and what to do with it once it is made. Prepares demand analysis and generates a company time-series. Covers relating company time-series to more general business and economic time-series, developing forecast, and preparing a market audit from material generated in forecasting. Provides sources of business data and extensive base of about fifty yearly and monthly time-series obtained from U.S. Department of Commerce publications. Includes examples. $145.00 *Lionheart Press, Inc.*

The Securities Analyst
A stock charting and analysis program designed with the individual investor in mind. It permits the investor to chart any number of stocks over an extended period of time. Package includes: Moving Average, Performance, Point & Figure, Trailing Stops, Price Earnings Analysis and more. $79.95 *Free Spirit Software, Inc.*

Graphics & Animation

Graphics and Animation
The Amiga was designed specifically to meet the needs of creative video artists—graphics and animation are the Amiga's forte. The Amiga lets graphic artists work in two dimensions with painting, three dimensions with projections, or four dimensions, when you add time.

With the Amiga you can do 3D real-time animation, enhanced by stereo sound. You can create page flip animation with synchronized sound. In minutes, you can create cartoon sequences with stereo sound, or produce longer sequences on just 1 MB RAM. Tap into the Amiga's graphics and sound capabilities to make top notch, professonial business presentations. Amiga paint programs let you paint in three dimensions, then stretch, distort and rotate your paintings into works of experimental art. It's all possible with the Amiga.

•3D Software•

3-Demon
Universal 3-D object editor allows interactive creation and manipulation of solid objects in a single window. Compatible with VideoScape 3D, Sculpt, Silver, and Forms in Flight. Save objects as standard IFF files. $99.95 *Mimetics Corporation*

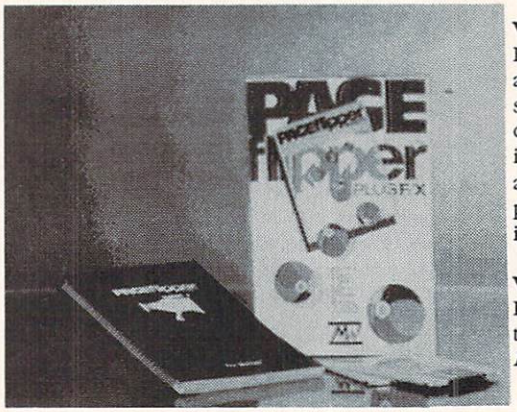
C-Light
Low-priced 3D animator and ray-tracing program with 3D editor, shadows, mirror surfaces, multiple lights, stereovision 3D. $49.00 *Peterson Enterprises*

Design 3D
Professional quality modelling package lets you model in wire frames with 6 line types and 16 colors, with dithering to emulate additional colors. 4 views: top, side, front, and perspective; with 4 light sources. Axial extrusion allows for fast modelling of symetrical objects. Works in High-res, interlace, or non-interlace. Requires 1 MB and 1 drive. $99.95 *Gold Disk*

Forms in Flight
3-D drawing and animation package. Many features. $79.00 *Micro Magic*

Forms in Flight 2
A 3D graphics and animation package. $119.00 *Micro Magic*

Forms in Flight Conversion Module
First in a series of modules for InterChange. $19.95 *SYNDESIS*



InterChange
A modular system for sharing objects between 3-D programs. Includes modules for Sculpt 3D and VideoScape 3D. $49.95 *SYNDESIS*

Object Disk #1
A full disk of 3D objects in Sculpt and video scope 3D format. Objects include a space shuttle, a human head and figure, a hot air balloon, office furniture and accessories, and a half font of letters. $19.95 *SYNDESIS*

PageRender 3D
Static image rendering and 3D animation. Supports stereo vision. Large and flexible object library provides tools to help you build your own object library. Four draw modes, choice of coordinate systems, scrollable display size, automatic geometric restructuring, automatic tracking; automatic script generation tools; generates Anim Files; compatible with PageFlipper Plus F/X. $159.95 *Mindware International*

Sculpt-3D
Powerful 3-D drawing program. Solid modeling and ray tracing for the Amiga. $99.95 *Byte by Byte*

Video Effects 3D
Network-style 3D perspective effects generator for the Amiga. Creates sophisticated 3D effects with Text, Drawings, and Logos from other IFF packages. The user controls each object's 3D path, speed, tumbles, turns, spins, and zooms, with an interactive real-time wire frame preview. 3D extension option creates 3D solid logo from flat text. Super smooth effects playback at 60 fields/sec. Requires 1 Mb and two disk drives. $199.95 *InnoVision Technology*

Videoscape 3D
Real-time 3-D animation with many options and many applications. Use diffused or specular lighting on any object in multiple colors in any of four screen resolutions, including full overscan. Image may be saved as IFF image then used in Amiga paint programs. Includes library of objects and images. $199.95 *Aegis Development, Inc.*

Vista 3-D
Icon and drop-down menu interface to ray-tracing and other tools. $149.95 *Mindware International*

•Animation•

Animate-3D
Allows you to animate Sculpt-3D programs. $149.95 *Byte by Byte*

Animation: Apprentice
Full 3D character animation package includes shading, highlights, scripting playback, record, object editor, texture mapping. $299.95 *Hash Enterprises*

Animation: Editor
Animation program with cut and paste capabilities. $59.95 *Hash Enterprises*

Animation: Effects
Flip, scroll, fade titles or any IFF picture. Includes specular and diffuse reflection. Full transformations. $49.95 *Hash Enterprises*

Animation: Flipper
Pack a series of IFF pictures so that they animate in real time. Batch entry for cycling. A Pencil-Test program. $59.95 *Hash Enterprises*

Animation: Jr.
An entry level 3D character animation package. Includes shading, highlights, scripting, playback, record, 4096, texture mapping. $79.95 *Hash Enterprises*

Animation: Libraries
Library of objects for use with Animation: Apprentice. $24.95 *Hash Enterprises*

Animation: Multiplane
Featuring digital compositor. $89.95 *Hash Enterprises*

Animation: Rotoscope
Features single frame editing and touchup. $79.95 *Hash Enterprises*

Animation: Soundtrack
Sound editing program can change sound length. $149.95 *Hash Enterprises*

Graphics & Animation

Animation: Stand
Performs functions similar to a real camera animation stand. Includes distortion and zooming. A must for the serious animator. $49.95 *Hash Enterprises*

Animator
Three animation techniques combined in a desktop video system. Uses tweening to control the movement of objects during animation. Also supports page flipping, and Metamorphic animation, allowing you to create an object then change its shape. Includes paint system and public domain animation player program. $139.95 *Aegis Development, Inc.*

Caligari
High end 3D sculpting and animation package interfaces with VCRs and frame controllers. $1995.00 *Octree*

CYBER Graphics Architectural Design Disk
Collection of professionally-designed 3D objects and components to be used with the popular 3D modeling programs for the Amiga. Design disks are provided in file formats compatible with Videoscape 3D™, Modeler 3D™, Sculpt 3D™, Sculpt Animate 3D™, and Interchange™. Architectural Design lets you visualize and render real world architecture. Component parts include doors, windows, arches, roofs, walls, stairways, and a variety of architectural constructs. $34.95 *Antic Software*

CYBER Graphics Future Design Disk
Collection of professionally-designed 3D objects and components to be used with the popular 3D modeling programs for the Amiga. Design disks are provided in file formats compatible with Videoscape 3D™, Modeler 3D™, Sculpt 3D™, Sculpt Animate 3D™, and Interchange™. Future Design gives you everything you need to build spacecrafts, space stations, bases, robots and androids to create your own future world. $34.95 *Antic Software*

CYBER Graphics Human Design Disk
Collection of professionally-designed 3D objects and components to be used with the popular 3D modeling programs for the Amiga. Design disks are provided in file formats compatible with Videoscape 3D™, Modeler 3D™, Sculpt 3D™, Sculpt Animate 3D™, and Interchange™. Human Design includes complete male and female prototypes in skeletal form with complex head and hand structures for startling realism and detail. $34.95 *Antic Software*

CYBER Graphics Microbot Design Disk
Collection of professionally-designed 3D objects and components to be used with the popular 3D modeling programs for the Amiga. Design disks are provided in file formats compatible with Videoscape 3D™, Modeler 3D™, Sculpt 3D™, Sculpt Animate 3D™, and Interchange™. Microbol Design includes surrealistic modules to create humanoid and alien cyborgs. $34.95 *Antic Software*

Lights, Camera, Action!™
Combines IFF pictures, ANIM-style animation, Aegis Sonix scores and IFF sampled sounds into complete presentation. For businesses, trade shows, educational presentations, product demos, in-store advertising, and more. Supports the Aegis/Sparta ANIM format; allows IFF sampled sounds and instruments and Sonix-style SMUS scores to be included in presentations. Creates scripts in each Amiga resolution; supports overscan, HAM, and scene transitions and special effects. Available May/June 1989. $79.95 *Aegis Development, Inc.*

MovieSetter
Novice animation program lets you create action cartoon sequences with full stereo sound, in minutes. Easy to use interface allows you to rapidly produce complex animation sequences several minutes long with only 1 MB of memory. Use built-in, professionally drawn movie clip files or make your own 32 color images from within the program. Imports IFF graphics, generates sounds, and attaches stereo sounds to characters. Special features include color cycling, 60 frame/sec. playback, and linear and optical guides to help you create special animation effects. Full overscan lets you save features to your home library. Requires 1 MB and 1 drive. $99.95 *Gold Disk*

Pageflipper
Desktop video/animation will script any IFF images, including HAM and overscan, with a simple interface. $49.95 *Mindware International*

PageFlipper Plus F/X
Full screen IFF image and special effects program. All resolution levels; all modes. Tutorials help you tailor your animations for maximum speed (in low-res 40-60 frames/sec., hi-res 20-30 frames/sec.). Well-designed interface, interactive script editor, context sensitive help facility, virtually unlimited full-screen, Anim support, player program. Loops-within-loops, animations upside-down or left to right, global or frame-by-frame foregrounds. Color cycling, palette changes, more. Price unavailable. *Mindware International*

PageRender 3D
Static image rendering and 3D animation. Supports stereo vision. Large and flexible object library provides tools to help you build your own object library. Four draw modes, choice of coordinate systems, scrollable display size, automatic geometric restructuring, automatic tracking; automatic script generation tools; generates Anim Files; compatible with PageFlipper Plus F/X. $159.95 *Mindware International*

PageSync
Module for PageFlipper Plus F/X V. 2.0. Allows external MIDI devices to drive animations in PageFlipper Plus F/X, and allows animations to drive MIDI devices. $99.95 *Mindware International*

Photon Video Cel Animator
Animates and plays back in any sequence. Allows color and sound synchronization. Continuous play option replays screens in continuous loop. Sound synchronization, color. Fully compatible with most art, animation, and rendering software. $149.95 *Microillusions*

The Talking Animator
Easy to use page flipper. Lets each frame have its own pallette of colors from 4096. Incorporates talking text into any page of graphics to give you the ultimate doodle pad to create stories or cartoons. All documentation on-line, just press the HELP key. Ghosting feature lets you see images from previous pages for graphics placement and smooth animation. The output works well with genlocks. Runs with 512K, but 1 meg recommended. Shipped with data disk full of animations and details for submitting your creations to the The Talking Animator. $49.95 *JMH Software*

•Art•

Analytic Art
Mathematically produce drawings easily. 6 programs, 3 fractal generators for Mandelbrots, Julia sets, Henon plots, and Siepinski gaskets. 3 post-processing programs. The spheres program maps pictures on spheres. 3D program puts art into 3D with optional color driven Z heights. The Galley lets you add special effects like color animation, color evolution, and more. Six programs in all. Includes documentation. $59.95 *Crystal Rose Software*

Graphics & Animation

Art Gallery I
Supplemental clip art for PrintMaster Plus. 140 graphics, mixed themes. $29.95 *Unison World*

Art Gallery II
Supplemental clip art for PrintMaster Plus. 140 graphics, mixed themes. $29.95 *Unison World*

Art Gallery: Fantasy
Fantasy theme supplemental clip art for PrintMaster. 120 graphics. $29.95 Unison World

Art Parts Volume 1
Over 175 color images for Deluxe Paint™, Deluxe Video™, and Deluxe Print™ productions. Maps. faces, graphs, birds, Africa dinosaurs, more. Price unavailable. *Electronic Arts*

Art Parts, Vol. 2
Buildings, people, animals, plants and vehicles. Over 100 brushes. $29.95 *Electronic Arts*

B-Paint
Painting program draws in low, medium or high resolution. Full-screen palette doubles as a sound synthesizer. Easy to use pulldown menus contain tools for drawing simple or complex images. Reads, stores, and prints IFF files. Includes the source code. $39.95 *Finally Technologies*

Brummbar's Backgrounds
Series of backgrounds, brushes, objects, and palettes compatible with any IFF program. Recognized through the industry as master Amiga palette. Price unavailable. *Software Sensations*

Butcher
Graphics utility program. Includes edge detection, resolution changes, pixel counting, half-toning, bit-plane slicing, sorting colors by pixel count or intensity, density slicing and palette effects. Also includes shape editor for defining mosaic patterns and textures. $37.00 *Eagle Tree Software*

Deluxe Maps Vol. I
Create better reports and presentations with these IFF format U.S. regional and state map outlines. $24.95 *Computer Arts*

Deluxe Productions
16-color high-resolution graphics animation for video professionals. Over 40 wipes. Includes 3 free art disks with fonts. $199.95 *Electronic Arts*

DeluxePaint II
Paint program with over 90 features, including stencil, fill, 2-D and 3-D perspective, anti-aliasing, 32 color palette, shadows. $99.95 *Electronic Arts*

DeluxePrint Art Disk Volume II
Holidays, sports, buildings, people, vehicles, and more. Over 180 ready to use images for Deluxe Paint™, Deluxe Video™, and Deluxe Print™ productions. $29.95 *Electronic Arts*

DeluxePrint II
Color printing utility with free bonus art disk. Over 100 images and borders, 13 tools, mixed fonts and type sizes. $49.95 *Electronic Arts*

Desktop Artist
Over 200 pieces of IFF format B&W clip art for use with any paint program. $29.95 *Sunrize Industries*

Diamond
Paint program supports all color modes. All modes support picture sizes up to 1024x1024 pixels, including overscan in all modes. Supports IFF brush and picture formats as well as RGBN support for Silver. Includes full complement of brushes and effects. $79.95 *Impulse, Inc.*

Digi-Paint
Fully utilizes the Amiga's graphic capabilities. Special features include shading, tinting, blending, complete drawing tools. Closest thing to paint and brush on the market. $59.95 *NewTek*

Doug's Color Commander
Color gadget for any Amiga program. Can be run simultaneously with other programs. $29.95 *Seven Seas Software*

Express Paint 2.0
Paint program with Postscript Laser support. $99.95 *PAR Software/Brown-Wagh Publishing*

Express Paint 3.0
Full-function paint program. Virtual pages, unlimited undo's, and 3-D perspective; rotating, distorting, stretching, and mirroring. Excels in test handling and printing; and is the only paint program that provides text fill into and around irregular shaped objects. Control font styles, sizes, justification, margins and line spacing to and from text. Supports PostScript, colored banners, and poster-sized output. Color cycling, 3-D anti-aliasing tools, gradient fills, more. $139.95 *Broderbund Software, Inc.*

•C.A.D.•

3D Graphics
Allows you to plot a 3D function, or write your own CAD program. Includes routines for perspective and parallel projections. $49.95 *True BASIC, Inc.*

CAD PAK 1-Floor Plan
CAD library contains wall, window, door, bow window, bay window, tower, greenhouse window, bath fixture, kitchen appliance, fireplace, stair parts, and assembled kitchen and bathroom modules. $49.95 *Aegis Development, Inc.*

CAD PAK 2- Framing and Designing
CAD library contains parts representing components that go into the construction of foundations, wall framing, cave framing, rafter framing, ridge framing, and other component construction details. 45 detailed drawings. $49.95 *Aegis Development, Inc.*

CAD PAK 3- Interior Design
CAD library contains over 275 furniture parts representing tables, sofas, chairs wall units, book cases, armoires, dressers, chests, china cabinets, computer tables, desks, file cabinets, beds, and more. $49.95 *Aegis Development, Inc.*

CAD Parts
Listing of over 150 electronic parts used for designing circuits. Can be used with IntroCAD and Aegis Draw. $24.95 *East/West Software*

Draw
Introductory drawing system. Create structured drawings, up to 256 layers of information. Pull-down menus, prompts, multiple menu support allows you to work on different parts of one drawing or different drawings simultaneously. Also works with digitizer. $125.00 *Aegis Development, Inc.*

Draw Plus
Allows architects and designers full use of the Amiga environment. Two display modes (640x200 or 640x400), pull-down menus, multiple windows allow different drawings or different parts of same drawing to be displayed. Infinite zoom, grid snap, data snap rounding, smoothing, auto-dimensioning, and more. Designs accurate to 1/1000th of an inch. $259.95 *Aegis Development, Inc.*

Dynamic CAD 2.3
Easy to learn, easy to use, flexible drafting system with many features. Produce mechanical and architectural drafting, pert charts, piping diagrams, electrical diagrams and electronic schematics with associated net lists. Also printed circuit boards integrated circuit designs. Auto-dimensioning, editing functions, group functions, and more. $499.95 *Microillusions*

Floor Plan Library
A set of floor plan parts and bath, kitchen, room modules saved as IFF screens for use with paint, desktop publishing and presentation programs. $29.95 *Madrigal Residential Designs*

Floor Plan Library CAD/CAM
This library is a 2 disk set consisting of over 220 room parts and 32 bath & kitchen room modules for use with Aegis 2D CAD program, Aegis Modeler 3D, and Gold Disk Pro Page programs. $69.95 *Madrigal Residential Designs*

Framing & Foundation Library
A set of 45 drawings showing different foundation and framing conditions for wood construction. This 2 disk set also contains over 120 parts for use in the creation and modification of construction details, for use with Aegis 2D CAD format programs as well as Aegis 3D and Gold Page Pro Page programs. $69.95 *Madrigal Residential Designs*

HomeBuilders_CAD
Design and estimating systems: The only Amiga CAD system that tells you how much your home design or addition will cost. $199.00 *EaseWare*

HomeBuilders_Choice
Custom library creation program for home builders CAD. From furniture to fireplaces, you can create what you need. $81.00 *EaseWare*

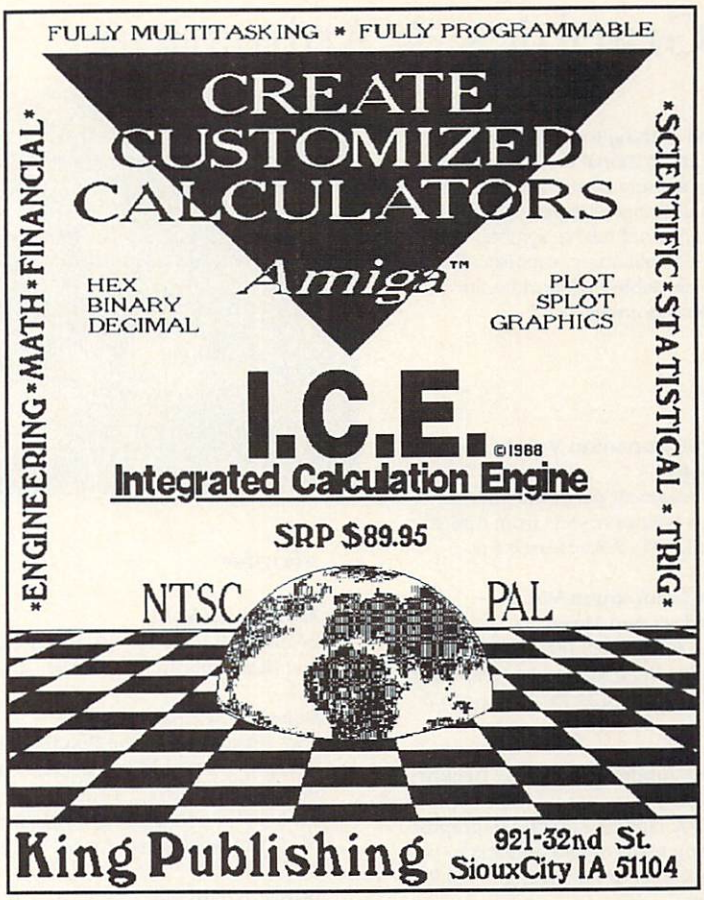
HomeBuilders_Print
High density dot matrix printer drivers and plotters for HB CAD. $117.00 *EaseWare*

Interior Design
A set of furniture parts for use with paint, desktop publishing, and presentation programs. 16 screens of furniture images and over 100 brushes. Useful for interior design and concept development. $29.95 *Madrigal Residential Designs*

Interior Design CAD/CAM
A set of furniture parts for use with Aegis 2D CAD format programs. Contains over 275 different furniture pieces for use in interior design, concept development and presentations. $39.95 *Madrigal Residential Designs*

IntroCAD
Introductory CAD features approachable interface and highest quality output control. Use for report illustrations, flow charts, floorplans, block diagrams, time lines, technical documentation, and much more. Includes all standard CAD features, as well as user-defined parts library, fast screen updates, multi-level zoom, customized printer drivers and more. $79.95 *Progressive Peripherals & Software*

LogicWorks
Digital logic simulator. $99.95 *Capilano Computer Systems*



LogicWorks 2.0
Combined schematic diagram and digital simulator. $299.95 *Capilano Computer Systems*

PCLO
A PCB layout CAD tool. $199.95 *Soft Circuits, Inc.*

PCLO-Plus
An advanced version of PCLO. $499.95 *Soft Circuits, Inc.*

PlotPrint
Transforms vector-oriented pen-plot data files created by CAD/scientific/spreadsheet programs into high-resolution bitmaps that allow any graphics printer to be used instead of an expensive pen plotter. Features include full HPGL interpreter that translates all HPGL commands. Compatible with all printers; works in all resolutions; any size printout; handles any drive configuration; Intuition; 50-page manual; interactive or batch modes. $50.00 *Hi Tech Graphics*

PlotPrint Volume 2
68020/68881 version of PlotPrint. $100.00 *Hi Tech Graphics*

PRO-BOARD
PCB layout package. Many features. $475.00 *Prolific, Inc.*

PRO-NET
Schematic capture package. Many features. $475.00 *Prolific, Inc.*

Scheme
A schematic capture CAD tool. $199.95 *Soft Circuits, Inc.*

SpeakerSim V1.0
CAD package for designing and optimizing loudspeaker systems. Design new systems or optimize existing ones. Analyzes speakers and enclosures via the Thiele-Small Vented model. Features a variety of graphing modes, user-updatable, driver data, files. Full color control, 640x200 or 640x400 screen resolution. Prints to any WorkBench-supported screen, saves in IFF format, and more. Requires 512K. $112.00; introductory price $92.00 *Dissidents*

UltraCAD
User-friendly CAD tool with extensive coloring features, clipboard, and many other features. Price unavailable. *Progressive Peripherals & Software*

Graphics & Animation

XCAD
2-D design and drafting tool, optional user configuration and optional on-line manual. May be driven entirely by the mouse and screen menus. Automatic menus and full on line manuals. User-defineable symbol libraries, auto-dimensioning, sophisticated text features, selectable real-world units. $599.95 *Haitex Resources*

•Clip art•

City Desk Art Companion Vol. 1: People and Technology
200 Med-RES images of people in various occupations, as well as objects from Amigas to weapons. $29.95 *Microsearch Inc.*

City Desk Art Companion Vol. 2: Banners, Borders and More
Two disks of 200 high-RES IFF graphic images, including banners, scrolls, billboards, silhouettes and more. $29.95 *Microsearch Inc.*

City Desk Art Companion Vol. 3: Brushes and Screens
Two disks of 200 high resolution IFF graphic images including textures and patterns to be used as backgrounds or fill patterns. $29.95 *Microsearch Inc.*

City Desk Art Companion Vol. 4: Holidays and Sports
200 medium resolution IFF graphic images of holidays and sports. $29.95 *Microsearch Inc.*

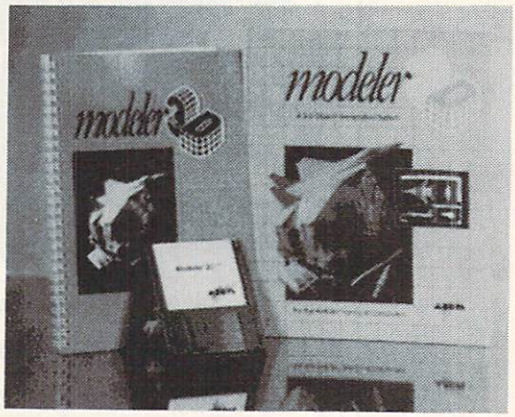
Clip Art, 1-6
Over 100 hi-res images on each disk, ranging from computer products to food, from zoos to the Old West. $19.95 per disk *Magnetic Images Co.*

Comic Art—Science Fiction
Science fiction clip art Comic Setter with body parts, backgrounds, props. Can be used with any IFF program. $34.95 *Gold Disk*

Comic Art—Super Heroes
More clip art for Comic Setter. Two disk module features Super Heroes. Can be used with any IFF program. $34.95 *Gold Disk* 34.95 *Gold Disk Inc.*

Comic Setter
Create color comics on the Amiga. Bitmap and structured graphics, layering tools, automatic text balloon generation. Includes Clip art, fonts. Prints in B&W or color. $99.00 *Gold Disk Inc.*

Seasons and Holidays
A whole year's supply of art for every occasion. More than 100 ready to use images for Deluxe Paint™, Deluxe Video™, and Deluxe Print™ productions. $29.95 *Electronic Arts*



•Fonts•

AlohaFonts Vol.I
20 different fonts for desktop publishing and graphics applications. $19.95 *AlohaFonts*

BoardWalk Font Set
Font set containing the BoardWalk font in Upright, Italic and Cilati in different sizes. Point sizes of 10, 12, 14, 16, 18, 20, 24, and 30. 6 and 8 point. Upright style only. Total of 26 downloadable soft fonts. $49.95 *C Ltd.*

Borders Font Set
Font set containing an assortment of borders and outlines in various point sizes. $49.95 *C Ltd.*

Business Font Set
Two disk set. TRP font (similar to Times Roman) and HVP font (similar to Helvetica) in Upright, Italic, Bold/Upright and Bold/Italic styles. Each style provided in 6, 8, 9, 10, 11, 12, 18, 24, and 30 point sizes. 4 and 5 point in Upright only. Total of 76 downloadable fonts. $79.95 *C Ltd.*

CalligraFonts/Lion's Assorted
150 fonts in a 4-disk set for desktop publishing, video, presentations. $59.95 *Interactive Softworks*

Calligrapher
Font editor includes ColorFonts and FontMover. Edit size, position, shape, color, pattern, style, kerning and spacing, italic slant, more. Graphics editor includes brushes, free hand drawing, paint can, magnify, more. FontMover copies, deletes, or previews fonts from another disk. Disk checking, font viewing in any resolution, more. $129.95 *Interactive Softworks*

Celtic Open Font Set
Celtic Open font set in Upright, Italic and Cilati. Point sizes of 10, 12, 14, 16, 18, 20, 24, and 30. 6 and 8 point in Upright only. Total of 26 downloadable soft fonts. $49.95 *C Ltd.*

CGI Font Library Set 1&2
Alternate font libraries compatible only with PRO VIDEO CGI. Each set contains 4 styles in 3 sizes. Bonus disk included. $99.95 each *PVS Publishing*

City Desk 24-Pin Fonts
For use with most desktop publishing and word processing packages which permit the use of downloadable fonts (to the printer). Comes with 3 font styles and a variety of sizes. $79.95 *Microsearch Inc.*

Classic Script Font Set
Classic Script font set in Normal, Bold, and Light/Outline in different sizes. Point sizes of 6, 8, 9, 10, 11, 12, 14, 16, 18, 20, 24, and 30. Total of 36 downloadable soft fonts. $49.95 *C Ltd.*

Commercial Font Set
TRP font (similar to Times Roman) and HVP font (similar to Helvetica). Regular and bold in Upright, Italic, Cilati styles. Point sizes: 4, 12, 14, 16, 18, 20, 24, and 30 point sizes. Total of 180 downloadable fonts. $99.95 C Ltd.

Font Works
Allows you to create a virtually unlimited number of color fonts quickly and easily by using either the built-in drawing tools or by grabbing letters from any standard IFF picture. Change existing fonts by adding effects like drop shadows, outlines, underlines, neon, resizing, and scaling. Choose up to 16 colors per font from a palette of 4,096. $99.95 *ACS Software*

Fonts & Borders
40 supplemental fonts and borders for PrintMaster Plus, and free upgrade disk for original PrintMaster. $34.95 *Unison World*

Fontset 1
Fonts include Times, Helvetica, Courier. Several point sizes. $34.95 *Gold Disk Inc.*

Headline Font Set
Four disk set containing headline sized (36 to 72 point) versions of HVP, Celtic Open, BoardWalk, Modern Open and others. $99.95 *C Ltd.*

InterFont (Includes InterChange)
InterFont works within the proven Interchange System to create whole blocks of text for any supported 3D object format. Interfonts lets you create a structured object font from any Amiga bitmap font. These InterFonts can then be used to make blocks of extruded text for easy titling. Upgrade available for current Interchange owners. $119.95 *SYNDESIS*

KARA Fonts
Features ten hi-res dimensional color fonts in two sizes. 3 disk set. $79.95 *KARA Computer Graphics*

Master Fonts
A collection of fonts in standard Amiga format designed to be used with all graphics, video, word processing, and desktop publishing. $29.95 *T.S.R. Hutchinson*

Master Fonts 3D
Group of fonts selected for their excellent 3D properties. For use in VideoScape 3D and Sculpt 3D for production of high quality animations. $29.95 *T.S.R Hutchinson*

Newsletter Fonts, Vol. I
Over 100 fonts designed by Andre Page. $30.00 *Interactive Softworks*

Olde English Font Set
Olde English font set in Bold and Light/ Outline. Point sizes of 6, 8, 9, 10, 11, 12, 14, 16, 18, 20, 24, and 30. Total of 24 downloadable soft fonts. $49.95 *C Ltd.*

Professional Font Library
Version 2.2 for the serious Amiga artist, video specialist and anyone who appreciates a complete, quality 6-disk product. Includes 200 styles, more than 60 distinct fonts, 7 to 100+ lines high with both monochrome and specialty color fonts like GOLD, CHROME, RIVET, KEYBOARD, etc. Utilities and comprehensive 80+ page manual. Compatible with popular paint and video software. Requires 1 meg RAM. Special price until February 15, 1989--$59.95 *Classic Concepts Futureware*

ProFonts: Volume I
High quality fonts for use with ProWrite™. Package includes System Mover to move fonts and other system fonts from disk to disk, and allows you to install fonts on the Workbench disk. $34.95 *New Horizons Software*

ProFonts: Volume II
High quality, decorative fonts give visual appeal to ProWrite™ documents. Package includes System Mover to move fonts and other system fonts from disk to disk, and allows you to install fonts on the Workbench disk. $34.95 *New Horizons Software*

Pyre Script Font Set
Single disk font containing a Pyre Script (similar to Park Avenue) font set in Normal, Bold, and Light. Point sizes of 6, 8, 9, 10, 11, 12, 14, 16, 18, 20, 24, and 30. Total of 36 downloadable soft fonts. $49.95 *C Ltd.*

Simple Script Font Set
Simple Script font set in Normal Bold, Double Bold, and Light. Point sizes of 6, 8, 9, 10, 11, 12, 14, 16, 18, 20, 24, and 30. Total of 48 downloadable soft fonts. $49.95 *C Ltd.*

Budgeteer
budget preparation software

- **EASY TO LEARN AND USE . . .** utilizes fully *AMIGA** windows and menus . . . 40 page manual
- **SPREADSHEET-TYPE FORMAT . . .** intuitive point-and-click data entry . . . cash-based accounting
- **VERSATILE . . .** 68 budget categories, fully user-definable . . . compare actual to budgeted expenses for 1 or 2 years . . . forecast future net earnings
- **PRINTED REPORTS . . .** tables of actual budgeted expenses, credits, balance (by month, for any year)
- **WIDE RANGE OF COLOR GRAPHS . . .** 36 bar graphs of actual/budgeted credits, expenses, etc . . . compare 2 years' results . . . pie chart of yearly expenses
- **OTHER FEATURES . . .** graphic dump of any graph or table (to printers supporting this feature) . . . attach comments to data . . . tables and graphs of cumulative expenses

Not copy-protected. Available 1 Dec. 88 at Commodore dealers.

Suggested List **39.95 (U.S.)**

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the practical software people

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Canada, T1C 1G3

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Storybook Capitals
Version 2.0. Brush fonts especially designed for livening up your desktop publishing applications, newsletters, correspondence, posters, signs, and school worksheets. These are like the large, decorative capitals and calligraphy fonts found in children's storybooks and the old illuminatons. Both color and monochrome versions included. Sizes range from 50 to 180 lines high, displayable in any resolution. They are easily inserted as brushes into paint and desktop publishing programs and don't require large amounts of memory to use. Requires 512k RAM. $24.95 *Classic Concepts Futureware*

Studio Fonts, Vol. I
Three font directories. Includes several new fonts which can cycle and use up to 16 colors. $35.00 *Interactive Softworks*

SuperFont Sampler 2.0
A 2-disk set including a 35-page manual, more utilities and 60 font styles in over 20+ distinct fonts from 7 to 34 lines high. Great starter package for the budget-minded who need a variety of small-to-medium fonts for newsletters, word-processing and educational applications. Requires 512k RAM. $24.95 *Classic Concepts Futureware*

Symbols Font Set
Single disk set containing an assortment of high resolution, commonly used symbols in various point sizes. $49.95 *C Ltd.*

SysFont
Provides new fonts for CLI and other system text displays. Ten new fonts in five different sizes replace the standard TOPAZ font. SysFont is completely transparent and compatible with most programs, including text editors. Can be invoked as tool window or a command line. Requires AmigaDOS 1.2. $24.95 (direct order) $34.95 (retail) *Eraware*

Tate Fonts I
Takes the pain out of 3D titling. Three fonts includes Tube, Slots, and Prism. $69.95 *Byte by Byte*

Unity Roman Font Set
Unity Roman (similar to University Roman) font set in Upright, Italic, and Cilati. Point sizes of 4, 12, 16, 18, 20, 24, and 30. Total of 45 downloadable soft fonts. $49.95 *C Ltd.*

VIDEO Fonts
Hi-res, bit-mapped fonts not compatible with PRO VIDEO CGI. 11 styles in 30, 44, and 72 point. $49.95 *PVS Publishing*

Graphics & Animation

Video & Headline Fonts 3.0 Currently upgraded to a 3-disk set with a new 40-page manual and added utilities and fonts. 80 styles including outline, shadow and decorative versions, over 30 artist-designed fonts! Especially designed for newsletters, paint-style graphics and video titling. Requires 1 meg RAM. $24.95 *Classic Concepts Futureware*

•Graphics•

Broadcast Titler
Software broadcast quality character generator for the Amiga. 2160 x 1440 completely eliminates jaggies. Accepts both Amiga Fonts and Color fonts, automatically boosting resolution to 2160 x 1440. Up to 320 high resolution colors per page for displaying multiple IFF pictures and color fonts. Colorful automatic background and patterns; over 100 silky-smooth transitions and effects including flip, roll, peel, and tumble. Stores up to 1000 overscan pages. $299.95 *InnoVision Technology*

Build'Em™
Figure construction set of faces, arms, legs, hands, to help artists and non-artists draw realistic figures better and faster. Over 500 drawings on 25 screens done by professional figure artist. Requires paint program with invisible background and free cut rotation. $23.50 *The Picture Box*

DeluxePrint
6 color printing program designed specifically for the Amiga. Seven different page formats for easy creation of a wide variety of customized printouts, in either color or B/W. Create greeting cards, T-shirt iron-ons, posters, stickers, banners, handouts, business cards, stationary, letterhead, calendars, and more. Places unlimited number of images on a given page, edit them; shrink them; flip or expand them; and change their colors. Requires 512K with one disk drive. Supports all Amiga printer drivers. $99.95 *Electronic Arts*

DeluxePaint III with Animation
First in a new class of software that integrates paint with animation. Program actually paints animation by allowing users to AniPaint™ a series of screens the way they would paint a single screen. Also allows user to paint and create with multi-frame Animated Brushes to create animations like birds in flight. Integrates animation with its perspective capability in a feature called Move, which allows user to define a brush, the distance for it to travel, a rotation, and the number of frames for it to move across. Other features include extra-halfbrite support, wrap mode, tint mode, direct overscan and much more. Available March 1989. $149.00 *Electronic Arts*

Draw 2000
Create structured drawings, up to 256 layers of information. $79.95 *Aegis Development, Inc.*

Invision
Video integration tool works with the Live! digitizer and any video source to process video effects in real-time. Uses the keyboard and mouse to control effects such as colorization, strobes, and mirroring. Can display images created with other software along with the live video. $129.00 *Elan Design*

Imprint
Software interface which works with the Amiga and the Polaroid Palette Film Recorder to produce film output of any IFF image. Prints 320 x 200, 320 x 400, 640 x 200, and 640 x 400 images with HAM capability. Snapshot RAM resident utility creates instant film image of onscreen display. $495.00; $2495.00 with Polaroid Palette system. *American Liquid Light, Inc.*

Laser Up! Draw
PostScript screen drawing and illustration package duplicates most PostScript drawing functions. $89.95 *S. Anthony Studios*

Laser Up! Plot
Converts Aegis Draw and Draw Plus drawings to PostScript. $44.95 *S. Anthony Studios*

Laser Up! Print 1.2
PostScript image printing system with many features. $89.95 *S. Anthony Studios*

Laser Show Designer
Produces professional quality laser light shows. Works like a paint program to create, edit, animate, and display projected laser graphics and beamworks. Requires standard laser scanner projector (available from Pangolin for $3,000-$5,000). $595.00 *Pangolin Laser Software*

Photon Paint
HAM paint program with many features. Convert IFF files to HAM format. Extensive brush manipulation functions: tilt, rotate, resize, mapping, and luminance. Also, blending, adding and subtracting colors, full control of dithering. Supports PAL, overscan, and NTSC. $99.95 *Microillusions*

Photon Paint 2.0
New features include multiple swap pages that can be run by special animation function, alternative drawing sources: rub through, Pantigraph, and brush-patterns; ColorFont support; Cycle Draw. New drawing modes include: and, Or, Xor, Add, Subtract, Maximum, Minimum, Use H, and Use H&S. New tools include air brush with definable spray area, fill polygon tool, and polygonal brush cutter. $99.95 *Microillusions*

PIXmate
Professional image enhancement package for all Amigas. $69.95 *Progressive Peripherals & Software*

PrintMaster Plus
Graphic printing program. Includes clip art, fonts, more. $49.95 *Unison World*

Pure Color
Printer palettes for graphic artists or anyone who needs color hard copies. Each IFF screen holds 32 different hard copies or shades that can be printed as convenient color chart. Each color is clearly labeled with numeric setting for RGB. Over 500 color patterns and numerous dot pattern settings. Designed for ink-jet printers, but works with other printers. Not a printer drive, but a collection of IFF-compatible screens used as color reference guide. Designed by graphic artists; AmigaDOS 1.3 compatible. $19.95 + $3.00 S&H *Graphic Design Studio*

The Amiga Coloring Book: Borders
Over 550 borders in IFF format. $34.95 *The Dragon Group*

The Amiga Coloring Book: Sampler
Assorted clip art in IFF format. $34.95 *The Dragon Group*

The Amiga Coloring Book: World
Maps from around the world in IFF format. $34.95 *The Dragon Group*

•Paintings•

Galleria Volume 1: Sci-Fi
Paintings of original works in HAM/Overscan. Recently shot at a major northeastern gallery exhibiton. Volume one features Sci-Fi. 6 paintings per volume. $15.00 ea. ($40.00 for 3 volume set) *EyefulTower Communications*

Galleria Volume 2: Transformations
Paintings of original works in HAM/Overscan. Recently shot at a major northeastern gallery exhibiton. Volumes two features Transformations. 6 paintings per volume. $15.00 ea. ($40.00 for 3 volume set) *EyefulTower Communications*

Galleria Volume 3: Otherness
Paintings of original works in HAM/Overscan. Recently shot at a major northeastern gallery exhibiton. Volumes three features Otherness. 6 paintings per volume. $15.00 ea. ($40.00 for 3 volume set) *EyefulTower Communications*

Graphics & Animation

•Screen Magnifier•

Better View
Better is a screen magnifier program designed for the visually impaired which lets you magnify any screen while using it normally. Works on all Intuition screens in all display modes including Hold-and-Modify and Extra Half Brite. Vertical and Horizontal Magnification factors may be changed independently in increments up to 32 times. $49.95 *LateNight Developments Corporation*

•Video•

Art PAK 2-IFF Pictures
Art Pak contains the Interior and Floor plan libraries released in the IFF format for use in any paint program. $39.95 *Aegis Development, Inc.*

DeluxeVideo 1.2
Create desktop videos with art and music, titles, special effects, rolling credits. Includes bonus post-production kit. $129.95 *Electronic Arts*

Eye Play 2
Player or computer builds computer art from three dozen graphic routines. 640 x 400 and 320 x 200 resolution. $19.95 *Silver Software*

Fantavision
Easy-to-use animation for beginners and advanced users. Features object-oriented drawing tools, digitized sound effects, tweening, and transformation. Fanatavision can generate 64 intermediate animation images for every frame drawn, resulting in amazing magic motion ansd special effects. $59.95 *Broderbund Software, Inc.*

GRABBIT
10K background-resident utility can print or save almost any Amiga screen. Includes ANYTIME pop-up color palette requester $29.95 *Discovery Software International*

GS-1000 Graphics Library
Library of over 90 graphics-oriented commands. Includes device independent 2-D graphics, multiple viewports and screens, zoom panning, color mixing, many other commands and a full-featured paint program. $49.95; with source code, $149.95 *Rittinghouse Software Development Company*

HUGEprint 2
Prints any size IFF picture, screen, or brush as a poster from 1x1 to hundreds of square feet in horizontal or vertical strips. Supports all IFF images resolutions and modes (including HAM) using any preference printer. Features color correction, scaling, batch printing from the CLI, and 3 dithering patterns. $65.00 *Hugh's Software Ranch*

Images
Full-featured paint system with over 4000 colors. Color palette contains 16 adjustable patterns and options. Wide range of tools including freehand drawing, lines, fills, adjustable airbrush, rectangles, polygons, triangles, more. Editing functions, resizing and rotating options, two painting screens with separate palettes, more. All files use IFF standard. $39.95 *Aegis Development, Inc.*

JMH Easy Titler
Makes the beginner look like a pro. Auto-booting character generator is ideal for unattended display. Custom designed for a cable TV message center, Easy Titler lets you place titles in IFF backgrounds or solid color with overscan. Three choices for fonts, text colors, and transitions. $49.95 *JMH Software*

JetSet 1.3
Utility programs for the Amiga and an H.P. LaserJet+ (or compatible) laser printer. Helps user achieve maximum printer performance. Plain English command allows access to all LaserJet+ functions, automated (point and shoot) utility modifies and downloads multiple disk-based soft fonts for use on LaserJet+. $39.95 *C Ltd.*

Orbiter/Space Station Data Disk
Allows Sculpt/Animate 3D owners to create their own vision of America's space program. $69.95 *Byte by Byte*

Photon Video Transport Controller
The link between graphics, animation, and video tapes. Controls external video tape frame by frame controllers like the Lyon-Lamb and Video Media's V-LAN systems. Designed for use with Photon Video's Cell Animator, the Transport controller will also work with other third party software. Records 1-300,000 frames each time an image is displayed, resulting in a smooth animation sequence. Set the TC to edit short real-time Amiga animations into longer sequence; set in/out points via keyboard or mouse; create time-lapse using the Time Lapse utility. Requires external video controller interface. $299.95 *Microillusions*

PRO VIDEO CGI
672 x 440 resolution character generator software. 8 colors/page, 100 pp. in memory, 17 real-time transitions. $199.95 *PVS Publishing*

PRO VIDEO PLUS
Character generator with 16 colors/page, 16 fonts resident, multi-color characters, much more. 2MB minimum required. $299.95 *PVS Publishing*

We take a byte out of the price
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Amiga is a registered name of Commodore Amiga, Inc.

Pro Video Plus NTS & PAL
Character generated software for Commodore. High resolution Video with 100-2600 Internal pages, 16 Internal fonts, font libraries, font effects, screen backgrounds, transition effects. Requires an Amiga with Kickstart 1.2 and 1 meg of memory with at least 410K of chip & 400K of fast RAM after boot. Each IFF picture requires up to an additional 150K of fast RAM. Each additional 100 pages of titles requires 120K. Second 3.5 DD recommended, compatible with hard drive. Recommended for professional use. $299.95 *JDK Images*

Puzzle Buster
Designed to help the user win puzzle-solving contests. Many features. Demo disk available for $3. Free brochure. $39.95 *Gladstone Productions*

RTV
Raster-to-vector conversion program. Takes standard IFF pictures—drawn, painted, or digitized—and instantly turns them into projected laser graphics. RTV can be used by itself or as input for the laser show designer program. Requires a standard laser scanner projector. $495.00 *Pangolin Laser Software*

Graphics & Animation

Silver
Create simple or complex scenes and animations of ray traced images of up to 512 frames long, then play them back at speeds from 6 to 60 fps. Create simple to complex objects. Ray trace frames as quickly as 9 minutes. Supports all resolution modes including overscan. Use any IFF picture to map a texture on any object or group of objects. Use IFF pictures as ground. $169.95 *Impulse, Inc.*

Sorting and Searching
14 subroutines for fast string and numeric in-place sorting. Includes sample programs and source code. $49.95 *True BASIC, Inc.*

Station Manager Character Generator
Supports unlimited number of commercial and public domain fonts and creates scrawl files that can replace the clips inside DeluxeProductions™. Fully mouse driven, this character generator gives you features not found in even the most expensive systems. Available January 1989. $295.00 *ACS Software*

Station Manager Graphics Library
Gives you TV quality graphics backgrounds and objects. $195.00 *ACS Software*

Station Manager Map Generator
High-speed cartography plots a high-resolution map of anywhere in the world in seconds. Graphical user interface makes map selection easier than most programs. $145.00 *ACS Software*

Station Manager Tape Editor
For the Amiga video professional. Lets you edit from simple cuts to A/B roll. Controls up to 32 devices in VHS, SuperVHS, Betacam, or 1-inch VTR (or any mixture of formats), within unique Video Network. All editing and control done with the Amiga's software interface. Provides for automated single-frame, time-lapse, script recordings and edit decision list processing also included. $995.00 *ACS Software*

Station Manager Time and Scheduling
After you've created, animated, and edited, Time and Scheduling helps you get on the air on time. Available January 1989. $295.00 *ACS Software*

Station Manager Teleprompter
Reliable teleprompter eliminates need for expensive paper most teleprompters use. $295.00 *ACS Software*

T.V. Graphics 2.0
This is a two disk set of clip art to be used in desktop video applications. Graphics consist of background screens and borders for over dubbing video in all graphics created in Interlace overscan and are IFF compatible. $34.85 *Slide City*

TV*Text
Character generator lets you define how text will look, then draws the text for you. Various font sizes and shapes, drop, cast, or transparent shadows, strobe-end 3D effects. Fully compatible with all Amiga IFF products. Requires Workbench 1.2 or above, 512K RAM, 1 disk Drive. Recommended: 1 MB RAM, 2 disk drives or hard disk, preferences supported printer. $99.95 *Brown-Wagh Publishing*

The Big Picture
Prints HAM and IFF picture files out at up to 104 x 104 feet. $29.95 *Lightning Publishing*

The Demonstrator
Records your demonstrations and allows you to play them back automatically, add speech, produce tutorials, and more. $39.95 *Meridian*

The Director
Animation/presentation language compatible with IFF pictures, sounds, and Anim files. Performs dissolves, wipes, page flipping, more. $69.95 *The Right Answers Group*

The Graphics Studio
4,096 color paint program with zoom pixel-by-pixel editing, flipping, rotating, more. $59.95 *Accolade*

The Symbol Library Volume 1
Hi-res brushes for graphic design, grouped by culture and period. Most in B&W for desktop publishing and paint programs. $29.95 ($75.00 for three volume set) *EyefulTower Communications*

The Symbol Library Volume 2
Hi-res brushes for graphic design, grouped by culture and period. Most in B&W for desktop publishing and paint programs. (3 volumes) $29.95 ($75.00 for three volume set) *EyefulTower Communications*

Video Visions Vol. 1: The Titler
Library clip art for video. Volume one of seven. The Titler features background and scenery. Two disks per volume. $24.95 *CV Designs*

Video Visions Vol. 2: The 3D Animator
Library clip art for video. Volume two of seven. The 3d Animator features fantasy and animals. $24.95 *CV Designs*

Video Visions Vol. 3: The 2D Animator
Library clip art for video. Volume three of seven. The 2D Animator features characters to be used with page flipping programs. $24.95 *CV Designs*

Video Visions Vol. 4
Library clip art for video. Volume four of seven. The Videographer, features clip art for weddings and special occasions. $24.95 *CV Designs*

Video Visions Vol. 5
Library clip art for video. Volume five of seven. The Broadcaster features clip art for business and broadcast: The Educator, history and geography; The Advertiser, products and symbols. Two disks per volume. $24.95 *CV Designs*

Video Visions Vol. 6: The Educator
Library clip art for video. Volume six of seven. The Educator features clip art of history and geography; Two disks per volume. $24.95 *CV Designs*

Video Visions Vol. 7: The Advertiser
Library clip art for video. Volume seven of seven. The Advertiser features clip art of products and symbols. Two disks per volume. $24.95 *CV Designs*

VideoTitler
For desktop and video presentation. Works with Amiga fonts, Zuma fonts, and multiple color fonts. Stretch, rotate, and adjust fonts with many styles and special effects. Effects include neon glow, 3-D block, thin edge fat edge, emboss, balloon, and more in expert mode. Images can be distorted, inverted, tiled, mirrored, quartered, or compressed vertically or horizontally. Supports IFF windows and pictures, all screen resolutions including overscan. $149.95 *Aegis Development, Inc.*

VTX On-Line
State of the art graphics communication program offers on-line help with pages referenced to the manual, scripting with automatic generation, clipboard compatible capture buffer, mouse or menu interface. Supports CompuServe GIF raster graphics with HAM mode support for 256 colors. Protocols include ASCII, Xmodem, Xmodem-1K, Ymodem, Kermit, and more. $79.95 *Microdeal*

•Video Presentation•

TV*SHOW
Special effects slide show generator uses IFF images. Performs wipes, reveals, pushes, more. Add speech. Many features. $99.95 *Zuma Group/Brown-Wagh Publishing*

V.I.V.A. Presents
Interactive desktop presentation and computer-based training. Controlled display of graphic images—stills or animation. $250.00 *Knowledgeware*

Word Processing

Word Processing with the Amiga
Amiga word processing has come a long way since the early days. Amiga word processors now offer all the features that writers need: spell checkers, thesauruses, table of contents generation, macros, math, and more. Developers are beginning to offer Amiga users better and more powerful word processing tools, tools that will eventually make word processing on the Amiga the writer's choice, not the writer's necessity.

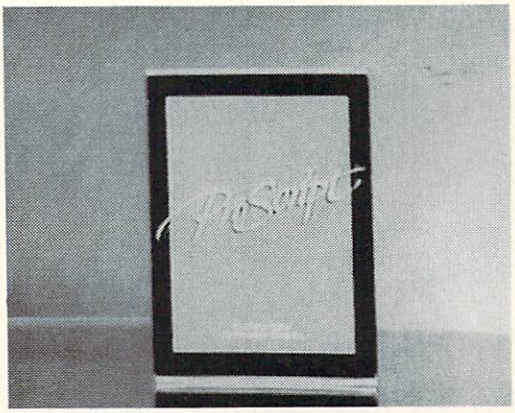
BeckerText
Word processor that merges IFF graphics, hyphenates, and more within your document. WYSIWYG formatting, spellchecker, and more. $150.00 *Abacus Software*

DesignText
User-affectionate word processor with WYSIWYG, Auto-backup, movable icons, integrated database. Create and edit outline, table of contents and index, spellcheck, math and sorting, more. Imports IFF graphics, Textcraft Scribble, and Word Perfect files. Special printer drivers maximize Dot-Matrix printing, background printing, on-line help screens, more. Also available in German. $129.00 *DesignTech Business System*

Excellence!
Online spell checker, grammar checker, hyphenation, thesaurus, table of contents generator, index generator, math columns, graphics mixed with text, multiple sized fonts, colors, PostScript laser support, and more. Runs on 512K RAM, but 1 MB recommended. $299.95 *Brown-Wagh Publishing, Inc./Micro-Systems Software*

Flow
Idea processor helps you organize your thoughts. Built-in outliner gives you major heading with multiple layers of sub-heads and sub-text paragraphs available. Lets you jot down an outline, rearrange or reprioritize by dragging the highlighted heading to where you want it to go. $99.95 *New Horizons Software*

Gold Spell 2.0
90,000 word dictionary, compatible with most word processors. Automatic guess, dictionary scan. Allows use of private dictionaries. $44.95 *Gold Disk Inc.*



K-Word 2
Full-featured word processor with spell checker, mail merge, and on screen help. Display up to four windows at once. Data interchangeable with K-Graph 3 and K-Spread 3. $79.95 *Microdeal*

KindWords
Word processor featuring 90,000 word spell check, color graphics environment, superfonts for high resolution printing. $99.95 *The Disc Company*

KindWords™ 2.0
Multi-featured word processor with fully integrated graphics environment to enable users to crop and manipulate image size in 16 colors within the word processing application. Offers the acclaimed Proximity/ Merriam Webster Dictionary featuring a 100,000 word spelling corrector, and the Proximity/Webster Electronic Thesaurus that accepts over 40,000 words and offers 470,000 synonyms. The Thesaurus helps users find the right word by presenting a list of meanings for each query, along with synonyms, antonyms, related words, contrasted words. $99.95 *The Disc Company*

LexCheck
Includes 10,000 word spell check, allows multitasking. Works with ProWrite, VisaWrite, Textcraft, Scribble and many others. $29.95 *CDA Inc.*

LPD Writer
Work on several projects at once with multiple windows. WYSIWYG display, zoom feature, suspend, multiple file editing, short cut commands, online help, footers, formatting, and text enhancemnets. $119.95 *Digital Solutions, Inc.*

Micro Text
Easy to use word processor with large choice of editing facilities. $24.95 *Anco Software, Inc.*

Nancy
Spelling checker works with many popular Amiga word processors, or checks documents alone. Over 120,000 words, user dictionary. $49.95 *Finally Technologies*

Precisely
WYSIWYG, multitasking, floating footnotes, importing and exporting of ASCII files, and fonts. Multiple windows, mouse and/or cursor keys. Online help, unlimited document size. Very fast screen update. Up to 255 characters per line, macros, Oops key. Table of contents and index generation, and much more. Runs with Workbech or CLI. $79.95 *Central Coast Software*

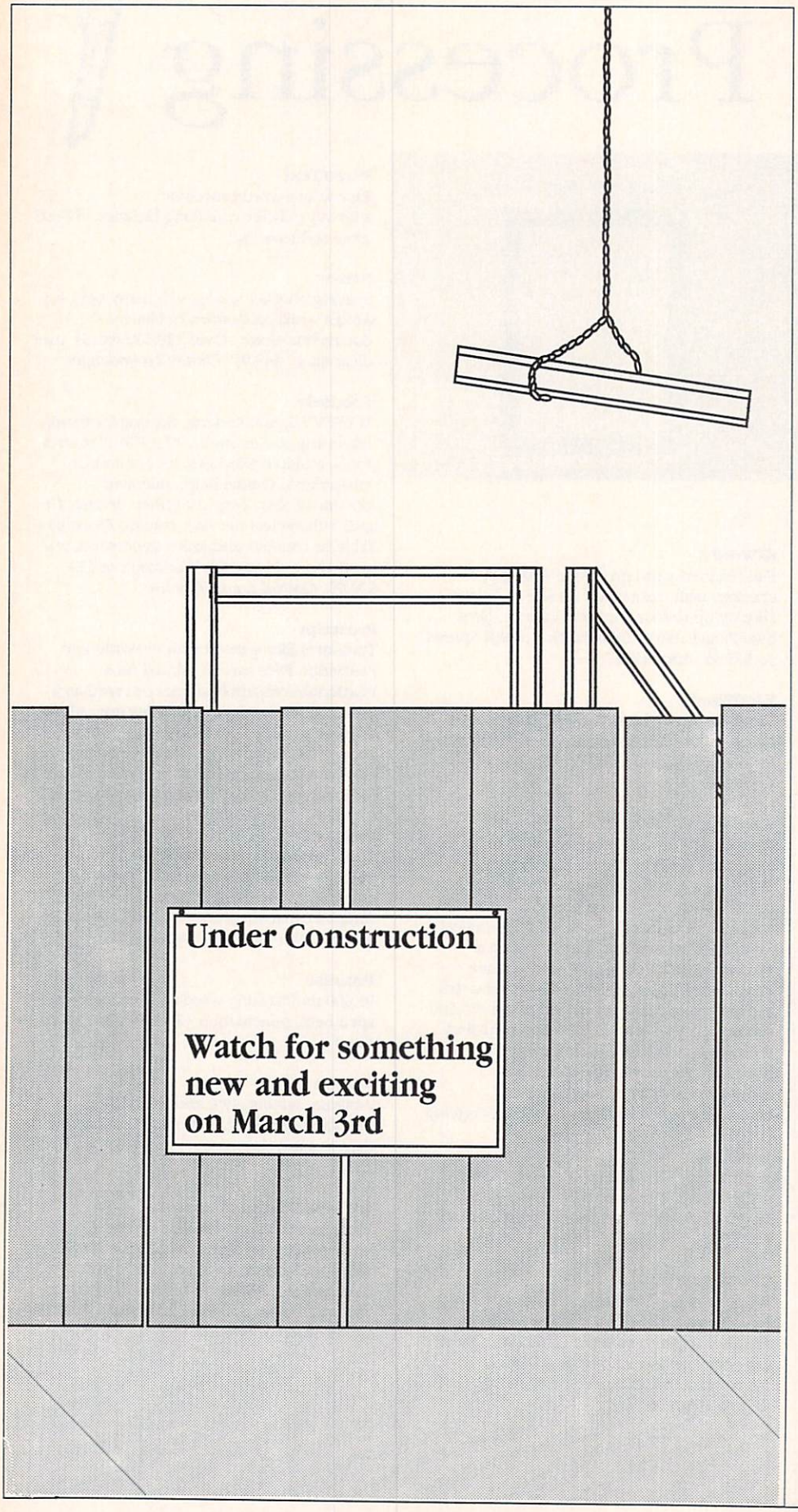
ProScript
Translates files created with ProWrite into PostScript. Files can be printed on a PostScript-compatible printer or saved as a file to be printed later. Other features allow the user to reduce or enlarge the printout, choose the paper size, mailmerge documents, and control the number of gray shades used for graphics. $49.95 *New Horizons Software*

ProWrite
Word processor puts graphics in your documents with multiple fonts, styles and colors. Can use IFF graphics. Use all the Amiga's capabilities and WYSIWYG display. $124.95 *New Horizons Software, Inc.*

Promise
95,000 multitasking word spell checker with spell help, punctuation. $49.99 *The Other Guys*

Reason
Analyzes writing style and readability, proofreads spelling, diction, and punctuation, then suggests improvements. $395.00 *The Other Guys*

Scribble! Platinum Edition
Incorporates all the features of The Works! word processing module. Includes 104,000 word spell checker with Scientific and Technical supplements, a 470,000 word thesaurus. Also prints IFF graphics. $149.95 *Micro-Systems Software*



Talker
Full-function word processor with optional speech function lets you control speed, pitch, volume, tone and gender of the voice. Talks as you type; reads back single word to entire document. Multitasking, pull-down menus. $49.95 *Finally Technologies*

TextEd
Easy-to-use, fast text editor. $39.95 *Microsmiths, Inc.*

TextEd Plus
Text editor plus FastFonts, FunKeys, ARP, AREXX, and BlitzDisk. $79.95 *Microsmiths, Inc.*

TextPro
Easy to use, full of advanced features. Includes automatic hyphenation, more. Merge graphics, convert other word processor files. $79.95 *Abacus Software*

VizaWrite Desktop
Combination word processor and desktop publishing. $149.95 *Progressive Peripherals & Software*

WordPerfect 4.1
Word processor featuring 115,000 word spell checker, thesaurus, macros, math, multiple windows, multitasking, more. $395.00 *WordPerfect Corporation*

Wordwright
PD word processor with integrated outliner, table of contents generator, mail merge, macros, orphan suppression, hanging indents, help screens, embedded calculations, headers, footers, access to the CLI, underlining, more. $5.00 *RTL Programming Aids*

Write and File
WYSIWYG word processor, built-in database, with great user interface. Multiple fonts on screen and in print and spelling checker with 100,000 word dictionary complement any powerful WP features. The built-in database can be used for customer lists, student files, accounting, and more. Also sorts, selects and merges with your documents. Requires 1 MB RAM, 2 disk drives or hard disk, preferences supported printer. $99.95 *Brown-Wagh Publishing, Inc./Softwood Company*

ZING! Spell
Lets you check and correct your spelling as you type. $79.95 *Meridian*

Desktop Publishing

Desktop Publishing on the Amiga

Desktop publishing is currently riding a wave of popularity, and the Amiga is right in the swim. The Amiga's graphics capabilities make it a great tool for both publishing and presentation, and developers are beginning to use that power by integrating graphic capabilities into their software.

Currently available software lets you integrate IFF graphic images into documents and overlap multiple pages onto a single printed page. You can design flyers, newsletters or even magazines. Create slides complete with sound, or print out gold-embossed awards. All now, all Amiga.

AmigaTEX
Sophisticated typesetting software. 10 disks with full TEX functionality, ARexx compatibility. Includes TEX, preview, iniTEX, LaTEX, SliTEX, and BibTEX. Over 1500 previewer fonts. Free demo disk. $200.00 *Radical Eye Software*

Award Maker Plus
Easy to follow program creates awards, certificates, licenses, coupons, or other documents you design. Program prints hundreds of pre-designed award styles, allowing you to choose text style, enter your own message, and select the border style and color. In some styles, you can enter your own hi-res picture. Features professionally designed color and B&W borders, gold embossed press-on seals, and class name file capability. $49.95 *Baudville*

City Desk V1.2
Flexible, versatile desktop publishing software complete with auto text flow, auto hyphenation, full screen text editor, and postscript support. $149.95 *Microsearch Inc.*

Laser Up! Utilities Vol. 1
PostScript procedures for typesetting. Standardized formatting commands for many functions. $39.95 *S. Anthony Studios*

LaserUp! Fonts Vol. 1
3 new downloadable analytic fonts for PostScript printers. Round, Classic, and Showtime, from 2 pts. to at least 64,000. $39.95 *S. Anthony Studios*

Pagesetter
Software for personal and small business use. Page layout, text flow, grids and rulers. Easy to use interface, automatic text flow. Prints on dot matrix printer. $149.95 *Gold Disk Inc.*

Pagesetter LaserScript
Allows printing PageSetter documents on PostScript laser printers or typesetters. Lets you scale, rotate, and translate upon output. Can also overlap multiple pages on a single output page. $44.95 *Gold Disk Inc.*

Professional Color Separator
Color separations for Professional Page. $195.00 *Gold Disk, Inc.*

Professional Page
Typesetting, CAD support, IFF color graphics. Outputs to laser printer, typesetter. Supports dot matrix. $395.00 *Gold Disk Inc.*

Publisher Plus
Mixes graphics or digitized images with text. Prints on dot matrix and laser printers. Many features. $99.95 *Northeast Software Group/ Brown-Wagh Publishing*

Publisher's Choice™
The Publisher's Choice Desktop Presentation Package combines KindWords 2.0 and Pagesetter 1.2 into an integrated wordprocessor/page layout system. Also included are the Artist's Choice Artpack with over 200 IFF graphic images, and HeadLine FontsPack offering over 35 different font styles and sizes. Together, these programs provide a complete solution to desktop publishing and presentation requirements, offering capabilities for designing flyers, creating newsletters, or producing a lengthy magazine. $199.95 *The Disc Company*

Publishing Partner Professional
Interactive WYSIWYG desktop publishing program with auto text flow, hyphenation, spell checking, automatic and user-definable kerning, and PostScript support. Includes graphics capabilities and full graphics importing, many font options, high-quality $199.95 *Soft Logik Corporation*

QUICK-ART Borders & Vignettes
A newly upgraded 2-disk set designed especially for desktop publishing and Deluxe Print applications. The QUICK-ART collection includes over 60 decorative black and white 'brush-format' illustrations for announcements, invitations, memos, newsletters, cards or menus. There are also 100 borders tops and bottoms, 30 side borders, over 20 color illustrations and a 35-page manual and reference guide. Requires 512k RAM. $24.95 *Classic Concepts Futureware*

Shakespeare
Color desktop publishing. Color printer support, mixes multiple full-color graphic images and multiple color palettes on a single page. Integrates text with graphics, text flow, stretching, cropping. Works in any resolution. $225.00 *Infinity Software*

Zuma Fonts Vol. 1
Typefonts for use with any IFF-compatible program which accesses Amiga fonts. Six sizes, from 12 to 100 points. Volume 1 contains Swiss, Pica, and Varn Fonts. Requires 512K RAM. $34.95 *Brown-Wagh Publishing*

Zuma Fonts Vol. 2
Typefonts for use with any IFF-compatible program which accesses Amiga fonts. Six sizes, from 12 to 100 points. Volume 2 contains Euro, Chelt and Stencil fonts. Requires 512K RAM. $34.95 *Brown-Wagh Publishing*

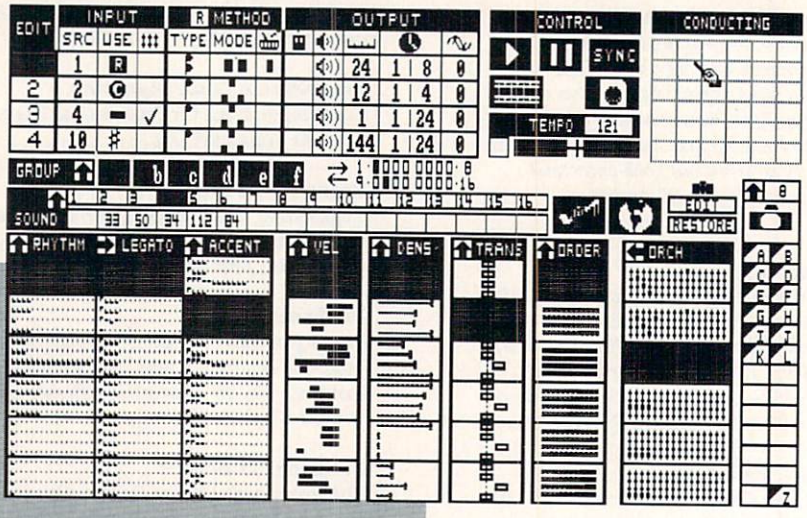
Zuma Fonts Vol. 3
Typefonts for use with any IFF-compatible program which accesses Amiga fonts. Six sizes, from 12 to 100 points. Volume 3 contains Coop, Script, and Fast fonts. Requires 512K RAM. $34.95 *Brown-Wagh Publishing*

Zuma Fonts Vol. 4
Typefonts for use with any IFF-compatible program which accesses Amiga fonts. Six sizes, from 12 to 100 points. Volume 4 contains Deco, Devine, and Draft fonts. Requires 512K RAM. $34.95 *Brown-Wagh Publishing*

•Integrated Package Desktop Publishing•

The Publisher's Choice ™
Integrated desktop publishing and presentation with Kind Words 2.0, Pagesetter 1.2, Headline Fontspace, and Artist's Choice Artpack. $199.95 *The Disk Company*

It's Not Just Another Pretty Interface.



It's M. From Intelligent Music. And there's nothing else like it because M lets you relate to your computer as you'd relate to a musical instrument.

When you play back an instrument you get instant feedback. You try things out and refine them until you find what you like. With M, you work the same way. M lets you change your music while you're playing it.

Here's one possible scenario. Enter notes and chords. Go to the rhythm control and draw several different rhythms. With every action you hear the new rhythms applied to your notes and chords. Next, create a pattern of accents against your notes and rhythms. That's the idea of M, playing with different elements of music independently.

But M doesn't stop there. You can change virtually any aspect of your music in real time. Even the structure. Call up M as a force in your MIDI arsenal whenever you need fresh and creative ideas. Or use the Amiga's high-quality internal sounds with or without MIDI. Either way, M can read and generate MIDI Files so you can use it in ensemble with a wide variety of other MIDI applications.

All pretty interfaces are not the same. Look into M.

M™

Call or write us today for the dealer nearest you. Or send us a $10 check and we'll send you a demonstration package. M runs on the Amiga 500 (1 meg required), 1000 and 2000 series computers, with full multitasking capabilities.

Intelligent Music®
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Albany, NY 12206 USA
518-434-4110

M is a trademark of Intelligent Computer Music Systems, Inc. Intelligent Music is a registered trademark of Intelligent Computer Music Sustems, Inc. Amiga is a registered trademark of Commodore-Amiga, Inc.

Music

AmigaMusic
The Amiga's digitized, true stereo sound makes it the perfect vehicle for MIDI music—just hook up your keyboard and play. If you don't have a keyboard, the Amiga's internal sounds will get you started. All you need is your imagination.

With the Amiga, computer music is no longer a monaural toy. The Amiga's true stereo sound, hooked up with the bevy of music software available, will give music buffs professional music capabilities. Multitrack (up to 48 tracks) recording, mixing, and more are available to the computer musician. You can manipulate hundreds of sounds, write and print musical scores, create your own music or rework someone else's. The Amiga gives you the power, all you need to do is tap into it.

4-OP Deluxe
Graphic editor librarian for the TX-812, FB01, DX100, DX21, and DX27. $149.00 *Dr. T's Music Software Inc.*

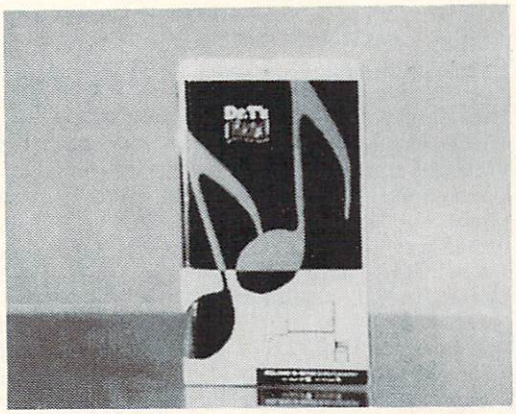
A-Drum
A full-featured rhythm maker allowing users to create new and exciting drumbeats. Four-voice drum machine can have up to 26 IFF sounds in memory to output with a sequencer in stereo to allow up to 64 measures of variable length. In, out, and clock MIDI supported. $79.95 *Haitex Resources*

Amiga Sound Oasis
Over 2500 professional sounds. Play sounds live through Amiga stereo outputs using a MIDI keyboard, or incorporate sounds into any IFF music program. $99.95 *Newwave Software*

Animation
Sound effects disk with 45 real and synthesized IFF sounds. Door knocks, footsteps, machinery, more. $19.95 *WaveTable Technologies*

AudioMaster
Save sampled sounds as 5-octave Sonix instruments. Visually display waveform of your favorite sound file. Use sound digitizing to load samples into AudioMaster and change pitch, sample rate, volume, and octave. Edit digitized samples, add special effects. $59.95 *Aegis Development, Inc.*

Big Dollar Synth
Unusual sound samples from hi-end synths, spread over 6 octaves. Mimetics and IFF formats. $19.95 *WaveTable Technologies*



C-ZAR
Editor librarian for Casio CZ-101, CZ-1000, and CZ-1 synthesizers. Includes 200 pro sounds; easy start up; automatic loading, saving, and cataloguing of disk sounds. Cut and paste, duplicate, rename and delete sounds, banks, and disk files. Overlays full color, drag-able sound envelopes on logarithmic time display. Continuous display and sound updating, flexible undo feature. Mouse operation features intuitive panel displays. 200-note sequencer; 80 page indexed manual. Much more. $195.00 *Diemer Development*

Caged Artist Editor/Librarian
Multitasking graphic editor librarian for the Roland D-110. Point and click editing of all parameters. Requires MIDI interface. $149.00 *Dr. T's Music Software Inc.*

Composer's SoundLib IFF Portable Vol. 1
DMCS and Sonix compatible sampled IFF sound libraries. Over 30 sounds on each disk. (6 volumes) $19.95 *WaveTable Technologies*

Composer's SoundLib IFF Portable Vol. 2
DMCS and Sonix compatible sampled IFF sound libraries. Over 30 sounds on each disk. (6 volumes) $19.95 *WaveTable Technologies*

Composer's SoundLib IFF Portable Vol. 3
DMCS and Sonix compatible sampled IFF sound libraries. Over 30 sounds on each disk. (6 volumes) $19.95 *WaveTable Technologies*

Composer's SoundLib IFF Portable Vol. 4
DMCS and Sonix compatible sampled IFF sound libraries. Over 30 sounds on each disk. (6 volumes) $19.95 *WaveTable Technologies*

Composer's SoundLib IFF Portable Vol. 5
DMCS and Sonix compatible sampled IFF sound libraries. Over 30 sounds on each disk. (6 volumes) $19.95 *WaveTable Technologies*

Composer's SoundLib IFF Portable Vol. 6
DMCS and Sonix compatible sampled IFF sound libraries. Over 30 sounds on each disk. (6 volumes) $19.95 *WaveTable Technologies*

Composer's SoundLib Mimetics' Exclusive (Vol. 1)
Sampled sound libraries in Mimetics format. Over 30 samples per disk. Real instruments and custom programmed synthesizers. $19.95 *WaveTable Technologies*

Composer's SoundLib Mimetics' Exclusive (Vol. 2)
Sampled sound libraries in Mimetics format. Over 30 samples per disk. Real instruments and custom programmed synthesizers. $19.95 *WaveTable Technologies*

Composer's SoundLib Mimetics' Exclusive (Vol. 3)
Sampled sound libraries in Mimetics format. Over 30 samples per disk. Real instruments and custom programmed synthesizers. $19.95 *WaveTable Technologies*

Copyist Apprentice
Music printing and scoring program prints 5 pages of music on a dot-matrix printer. Available February 1989. $99.00 *Dr. T's Music Software*

Copyist DTP
Music printing and scoring program prints 100 pages of music on dot-matrix, laser, or PostScript printer. With Adobe Sonata fonts. Supports IFF and EPS files. $339.00 *Dr. T's Music Software Inc.*

Copyist Level I
Transcription program includes a full complement of music symbols and transcribes treble, bass, alto, and percussion clefs. Also allows you to convert any of the supported formats to any other. $99.00 *Dr. T's Music Software Inc.*

Copyist Professional
Music printing and scoring program prints 50 pages of music on dot-matrix and laser printers. Reads and writes sequence files; prints and automatically transposes parts. $275.00 *Dr. T's Music Software Inc.*

CZ Rider
Graphic editor librarian for the Casio CZ series of instruments. $149.00 *Dr. T's Music Software*

Music

Deluxe Music Construction Set
Full-featured sound editor with complete input, notation, and score printing. $99.95 *Electronic Arts*

DNA Music
Plays music based on DNA sequences. Features menu choice of DNA, speed, tone, and channel. Two octaves in the key of C. $19.95 *Silver Software*

Dr. Drums, Dr. Keys, Bach Songbook
Data disks for sequencer and patch editor/librarians. Songbook contains 2-part inventions, 3-part sinfonia, 4-part fugues. $29.00 each *Dr. T's Music Software Inc.*

Drum Studio
20 digitized drum sounds. 16 volume and pitch controls for each. Up to 100, 8 measure patterns in memory, up to 10 songs in memory real-time indicators. 30 to 240 beats per minute, keyboard template, more. $49.95 *DigiTek, Inc.*

DX Heaven
Graphic editor/librarian for the Yamaha DX-7. $149.00 *Dr. T's Music Software Inc.*

DX Voices
Sounds for the Yamaha DX Series. $49.00 *Dr. T's Music Software Inc.*

Dynamic Studio
Integrated music software for Amiga computers. Includes sequencer, drum machine, and event editor. $199.95 *Newwave Software*

Dynamics Audio Tape
Basic music tutoring with DMCS, Sonix, etc. Includes 50 pp. manual, several original scores on audio cassette. $39.95 *Dynamics*

Dynamics Video
Basic music tutoring with DMCS, Sonix, etc. Includes 50 pp. manual, several original scores on video cassette. $59.95 *Dynamics*

ESQ-1 Caged Artist Editor/Librarian
Multitasking graphic editor librarian for the Ensoniq ESQ-1. Point and click editing of all parameters. Requires MIDI interface. $149.00 *Dr. T's Music Software Inc.*

ESQuapade
Graphic editor/librarian for the ESQ-1 and SQ-80. $149.00 *Dr. T's Music Software Inc.*

Four Disk Set
The Rock Disk, Digital Synthesizer Disk, Grab Bag Disk, Orchestral Disk all in one package. $79.95 *ECT Sample Ware*

Fractal Music
Music based on fractal mathematics. Two octaves in the key of C, graphics of filled polygons, 640 x 240 resolution. $19.95 *Silver Software*

Game Play
By Jim Cuomo. Top scores from computer action adventures. $14.99 *Pigeon Music*

HMSL
Hierarchical Music Specification Language. An object-oriented Forth-extension language for experimental music composition. Three modules: graphic editor (CREATE), real-time stimulus response environment (PERFORM), and complex hierarchical scheduler (EXEC). Includes utilities for designing real time intelligent instrument, controlling and responding to MIDI devices, more. Includes source code. Requires JForth. $150.00 *Frog Peak Music*

Hot & Cool Jazz
New music and instruments for Instant Music™, Deluxe Music Construction Set™, and DeluxeVideo™. Over 40 original tunes cover jazz history from ragtime to fusion. A dozen instruments including Les Paul guitar, chord harmonica, and jazz sax. $29.95 *Electronic Arts*

Hotlicks
Create your own music or rescore the classics. Cut, paste, or transpose single notes or sections of music. Use twenty digitized instruments at one time. Built-in rhythm guides, on screen keyboard display, load and save instruments, scores, and rhythms. Save your compositions to the Jukebox for playback later. Uses standard 8SVX instruments and DMUS scores. $49.95 *Infinity Software*

Instant Music
Easy musical composition through mouse control. $49.95 *Electronic Arts*

Instrument Voice Disks
Data disks for Dr. T's sequencer and patch editor/librarians. $49.00 each *Dr. T's Music Software Inc.*

It's Only Rock and Roll
New collection of 40 original songs from eight eras of rock history. For use with Instant Music, Deluxe Music Construction Set, and DeluxeVideo. Twenty-two new instruments and a 24-page manual covering the development of rock music from 1956 through the 70's. $29.95 *Electronic Arts*

Kawai-1 Caged Artist Editor/Librarian
Multitasking graphic editor librarian for the Kawai K-1 series. Point and click editing of all parameters. Requires MIDI interface. $149.00 *Dr. T's Music Software Inc.*

Kawai K-3 Caged Artist Editor/Librarian
Multitasking graphic editor librarian for the Kawai K-3 series. Point and click editing of all parameters. Requires MIDI interface. $175.00 *Dr. T's Music Software Inc.*

Kawai K-5
Graphic editor/librarian for the Kawai K-5. $175.00 *Dr. T's Music Software Inc.*

KCS 1.6 A
Full-featured sequencer with 48 tracs, 126 sequences, and songs. 3 Modes of operation, uses internal Amiga sounds. $249.00 *Dr. T's Music Software Inc.*

Keyboard Controlled Sequencer V1.6
Load up to 4 programs simultaneously, automated 48-track tape recorder mode, full editing of all MIDI parameters, built-in variations generator. Full editing of all MIDI parameters. Allows multitasking, loads and saves MIDI files. $249.00 *Dr. T's Music Software Inc.*

Level II
Does everything KCS 1.6A does, with 16 more screens of algorythmic and global editing. Available February 1989. $349.00 *Dr.T's Music Software Inc.*

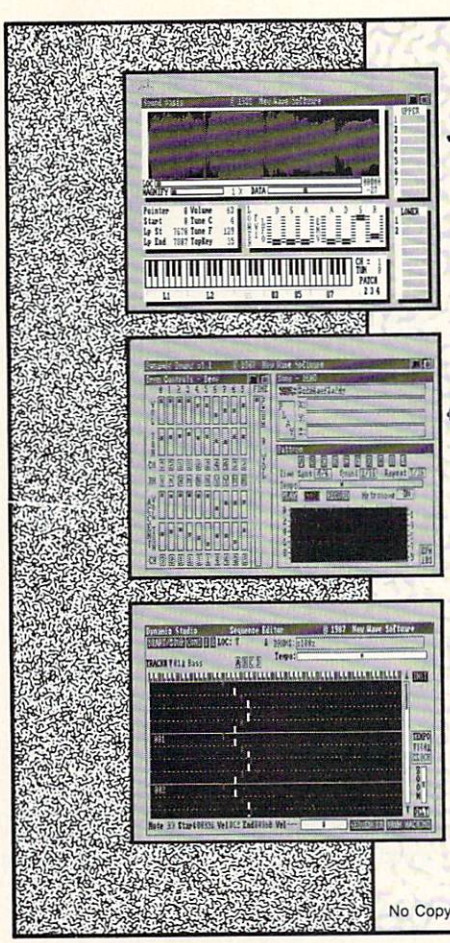
Mellotron
Mellotron instrument samples. Original issue cello, violin, and flute voices. Mimetics, IFF format. $19.95 *WaveTable Technologies*

MIDI Magic
Easy to use MIDI sequencer for the Amiga™. Uninterrupted music output. Features include multi-channel simultaneous recording, 480 PPQN resolution, 4-mode quantization, and multiple time signatures. Allows realtime, modular, or step editing. Records any type of synthesized sampled, or live sounds onto 16 tracks with up to 26 sequences. Multitasking, windows, gadgets, pull-down menus. Mouse or keyboard control. Play, record, pause, rewind, FF. Memory Fuel Guage keeps track of memory. More. $149.95 *Brown-Wagh Publishing*

MIDI Recording Studio
Full-featured 8-track sequencer. $69.00 *Dr. T's Music Software Inc.*

MIDI Synergy I
Complete source code kit in C and Assembly. MIDI recorder and sequencer using OPCode file format. IFF SMUS to MIDI conversion. Mouse controlled modulation, pitch, tempo, transpose. $27.00 *Geodesic Publications*

MidiVU
Single track desktop recorder records in real time from any MIDI instrument. Portable, compact, multitasking; uses just 3% of disk. Pops up fast, hides easily. Saves tracks to disk, and includes powerful file utility. MIDI data monitor for troubleshooting. Help screens show MIDI 1.0 message definitions. Includes message filtering and loopable playback. $29.00 *Diemer Development*



Sound oasis

$99.95

The internal sound capabilities of the Amiga are better than that of any other personal computer. These capabilities mean nothing though, without quality digital sounds, which up till now have been scarce. Sound Oasis gives Amiga owners access to a large library of studio-tested digital samples, by using the Amiga's built in disk drive to read disks made for the Mirage Digital Sampling Keyboard. Sounds can then be played from a MIDI keyboard, the computer keyboard, or saved as an IFF standard file. Mirage is a trademark of Ensoniq Inc.

dynamic drums

$79.95

Transform your Amiga into a professional-quality drum machine with this software package. Easier to use than hardware-based drum machines because everything is displayed graphically on screen. Enter drum patterns quickly and easily in real time with visual feedback and editing. Create realistic drum tracks with any of the 100 drum and percussion samples that are included or use your own unique IFF one-shot samples. Dynamic Drums also has full MIDI implementation and even becomes velocity sensitive when triggered from a MIDI keyboard.

DYNAMIC STUDIO

$199.95

A powerful MIDI sequencer that takes full advantage of the Amiga's sound, graphics, and sophisticated user-interface. Dynamic Studio is perfect for professional applications due to its sophisticated editing capabilities and SMPTE support. It is also ideal for home studios, because in addition to sequencing MIDI instruments, Dynamic Studio has a built-in drum machine, and the ability to playback instruments translated with Sound Oasis.

NEW WAVE SOFTWARE

No Copy Protection

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MindLight 7
Sound-responsive computer art program lets you visualize music. IFF compatible. $169.00 *Visual Aural Animation*

Model A Interface
MIDI interface for the Amiga 500 and 2000. $75.00 *Dr. T's Music Software Inc.*

Modern Percussives
Over 60 sampled real and percussive sounds for music composition programs. Available in IFF. $19.95 *WaveTable Technologies*

MT-32 Voices
Sound for the MT-32 editor. $49.00 *Dr. T's Music Software Inc.*

Music Mouse
Musical composition with the mouse. No musical skills required. Music Mouse turns the computer into a musical instrument that reacts to mouse movements to play internal sounds or create MIDI data. Lets beginners express their musical sensitivity and imagination; while giving advanced musicians an endless variety of instantly accessible chances for improvisation and exploration. Outputs through the computer's built-in speaker or through a MIDI interface. $79.00 *Opcode Systems*

Music Student I
Lessons in music theory. 178 lessons on one disk: intervals, triads, scales, terms, symbols, more. Eight levels, beginner through intermediate. $59.95 *Associated Computer Services*

Music Student II
Lessons in music theory. 178 lessons on one disk: intervals, triads, scales, terms, symbols, more. Eight levels, beginner through intermediate. $59.95 *Associated Computer Services*

Music-X
MIDI sequencer features real-time recording, keyboard mapping, configurable librarian, and many editing features. $299.95 *Microillusions*

M™ for the Amiga
Real-time interactive composing and performing program. Change shape or any aspect of compostion while you're hearing it. Features include: capability for automating changes in MIDI velocities, note densities, Rythms, legato-staccato articulations, and accents; note re-ordering and selective randomization; MIDI file compatibility. $200.00 *Intelligent Computer Music Systems, Inc.*

Oberheim Matrix 6/1000 Caged Artist Editor/Librarian
Multitasking graphic editor librarian for the Oberheim Matrix 6/1000. Point and click editing of all parameters. Requires MIDI interface. $149.00 *Dr. T's Music Software Inc.*

Pattern Splatter
Random sequence generator that deals with arpeggiation patterns, randomizes various MIDI parameters within user-controlled ranges. $49.95 *Mimetics Corporation*

PCM-70 Caged Artist Editor/Librarian
Multitasking graphic editor librarian for the Lexicon PCM-70. Point and click editing of all parameters. Requires MIDI interface. $149.00 *Dr. T's Music Software Inc.*

Phonelink Plus
A touch-tone decoder for your synthesizer. $299.00 *Computer Expansion Products, Inc.*

Protein Music
Plays music based on protein amino acid sequences. Menu choice of protein, speed, tone, channel. Two octaves. $19.95 *Silver Software*

Real Brass
Real brass instruments for composition programs. Trumpet, tuba, french horn, trombone, more. IFF and Mimetics format. $19.95 *WaveTable Technologies*

Music

Roland D-50 Caged Artist Editor/Librarian
Multitasking graphic editor librarian for the Roland D-50. Point and click editing of all parameters. Requires MIDI interface. $149.00 *Dr. T's Music Software Inc.*

Roland MT-52 Caged Artist Editor/ Librarian
Multitasking graphic editor librarian for the Roland MT-52. Point and click editing of all parameters. Requires MIDI interface. $149.00 *Dr. T's Music Software Inc.*

Sonic Spectrum
Instrument libraries: Rock and Roll Library; Classical Library; Special Effects Library; Percussion Library. Over 750 instruments in all. Compatible with all music based software that supports IFF or Mimetics format uploadable sound samples. All samplers contain four disks with over 50 realistic instruments. $59.95 each ($199.95 for all four) *DATASOUND*

Sonix
Combine instruments, sampled sounds, and digitized AudioMaster files. On-screen musical editing lets you see each note as it's entered on the staff. Has built-in MIDI controller. Supports eight MIDI voices with up to 32 channels and 16 MIDI patches for each channel, or four Amiga voices and four MIDI voices. Saves files in IFF or RFF formats. Use pre-programmed instruments or create your own using the Sonix synthesizer. $79.95 *Aegis Development, Inc.*

Sound Effects Library
288 realistic sound effects, both common and unusual, from baby cries to jet planes. Use with any program that uses the IFF standard for sampled sounds. BASIC or C programmers can use Sound Effects in their own programs. Volumes 1 through 6 include the 288 sounds, manual, and Pocket Pac disk holder. $99.95 *Karl R. Denton Associates*

Sound Lab Amiga
Visual waveform editor for the Amiga. Features also include a calculator, timer, advanced warning system, and auto-dial. $295.00 *Blank Software*

Sound Quest CZ Master Librarian
Master Editor /Librarians available for both PC and the Amiga, to store, retrieve, modify, and create sounds to be used with the Casio CZ series. $125.00 *Sound Quest Inc.*

Sound Quest D-10 Master Librarian
Master Editor /Librarians available for both PC and the Amiga, and are used to store, retrieve, modify, and create sounds to be used with the Roland D10. $150.00 *Sound Quest Inc.*

Sound Quest D-50 Master Librarian
Master Editor /Librarians available for both PC and the Amiga, to be used with the D-50. $150.00 *Sound Quest Inc.*

Sound Quest DX Master Librarian
Master Editor /Librarians available for both PC and the Amiga, and are used to store, retrieve, modify, and create sounds to be used in particular synthesizers. $150.00 *Sound Quest Inc.*

Sound Quest Generic Master Librarian
Master Editor /Librarians available for both PC and the Amiga, and are used to store, retrieve, modify, and create sounds to be used in particular synthesizers. $125.00 *Sound Quest Inc.*

Sound Quest SQ-80 Master Librarian
Master Editor /Librarians available for both PC and the Amiga, and are used to store, retrieve, modify, and create sounds to be used with the Emsoniq SQ-80/ESQ-1/ESQ-M. $150.00 *Sound Quest Inc.*

Sound Quest TX802 Master Librarian
Master Editor /Librarians available for both PC and the Amiga, and are used to store, retrieve, modify, and create sounds to be used with the Yamaha 802. $175.00 *Sound Quest Inc.*

Sound Quest TX81Z Master Librarian
Master Editor /Librarians available for both PC and the Amiga, and are used to store, retrieve, modify, and create sounds when used with the Yamaha TX81Z/DX100/DX21. $150.00 *Sound Quest Inc.*

SoundScape Pro MIDI Studio
MIDI sequencing/sampling package dealing with computer sounds and external music. A complete musical operating system. $149.95 *Mimetics Corporation*

Studio Magic
Sound effects processing program, IFF sound and instrument files, MIDI support. Many features. $99.95 *Sunrize Industries*

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Collection of nearly 1000 sampled sounds, including Beatles, Classical, Rock, more. DMCS, Music Studio or Sonix format. Price unavailable. *Speech Systems*

Synth Wizard
Synthesizer Editors: DX-7/DX-7 II Synth Wizard; TX-81Z/FB01 Synth Wizard; Roland D-50 Synth Wizard; Roland MT-32 Synth Wizard. Interactively edit sound patches created on the instruments named above. Store created patches on 3.5 disks. $99.95 each *DATASOUND*

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Drum kits, guitars, bass, organ, synth sounds and more. $24.95 *ECT Sample Ware*

Waveform Easel
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Provides graphics, explanations, and tests for self-study and reference. This is the college edition (1 disk). $79.00 *Lee Software*

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Online interactive tutorial runs with AmigaDOS. Price unavailable. *RGB Video Creations*

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Adding With Objects, Subtracting With Objects, What Number is Missing?, and Count 'Em. $49.95 *MicroEd*

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A colorful periodic table with point and click access to detailed information on each of the 106 elements. $19.95 *BTPSoftware*

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First Letters & Words by *First Byte*
Talking computer friend teaches young children letters and words, upper case and lower case letters, and helps build reading vocabulary. Age 3-8. Price unavailable. *Electronic Arts*

First Shapes by *First Byte*
Talking computer tutor teaches geometric shapes to children. Encourages children to make toys, or challenge skills in a matching game. Price unavailable. *Electronic Arts*

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Escape the mad professor by answering math fraction problems. Incorrect answers lead to full-screen explanations. Age 9 and up. $49.95 *Unicorn Software Company*

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Education

How a Bill Becomes a Law
Realistic interactive game in which students become Congressmen trying to pass a bill. $49.95 *Queue, Inc.*

How to Spell
A tutorial on the rules of spelling. $39.95 *Queue, Inc.*

IntelliType
Sophisticated typing program combines customized lessons with an adventure story. Monitors errors, recognizes when wrong hand is used. Bar charts show accuracy, speed, and error type. In-depth analysis of error types. Performance analyzed over each lesson or all lessons combined. Sets goals based on intial skills. More. $49.95 *Electronic Arts*

Introduction to Computer Applications Using BASIC
Practical uses for programming in BASIC. By Jones. $30.00 *True BASIC, Inc.*

Kemeny Lectures: Calculus/Trigonometry
Video tape by the people who brought True BASIC to the Amiga. $75.00 *True BASIC, Inc.*

Kemeny Lectures: Structured Programming
Video tape by the people who brought True BASIC to the Amiga. $99.00 *True BASIC, Inc.*

KidTalk by *First Byte*
Talking notebook reads back in M or F voice. Pull-down and graphic menus; built-in pronouncing dictionary; guided tour and Help screens; options for editing, printing, and secret coding. Price unavailable. *Electronic Arts*

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5 talking games with animated graphics. Beginning addition, subtraction, upper and lower case letters, more. $49.95 *Unicorn Software Company*

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Lessons in conversational Spanish. Beginning Spanish covers present tense; Intermediate Spanish covers past and future tenses. $49.95 each *Eclipse Data Management*

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The complete four disk Reading and Reasoning series which teaches logic and reading by examining various fallacies. For a more complete description of the individual lessons, please refer to the separate listings below. $149.95 *Queue, Inc.*

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Lessons in reading and reasoning teach logic and reading by examining various fallacies. Lesson 1 examines shifty-word fallacies and circular reasoning. For grades 9 and up. $39.95 *Queue, Inc.*

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Teaches children basic colors and shapes through games and tutorials. $39.99 *The Other Guys*

Math 1 Expansion Disk for Discovery
Basic four-function math drills for grades 1 through 7. Requires Discovery program disk. $19.95 *Microillusions*

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Math Wizard
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Nutrition Guide for the Home
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Nutrition: A Professional Guide
A nutrition planning, reference, and analysis tool for the professional. (2 disks) Available February 1989. $199.95 *Lee Software*

Physics of Motion
A tutorial and self-study guide of mechanics with interactive problem solving. (1 disk) Available March 1989. $49.95 *Lee Software*

Practical Composition I
Making Words Work. $44.95 *Queue, Inc.*

Practical Composition II
Logical, Clear Sentences. $74.95 *Queue, Inc.*

Practical Composition III
Selecting the Best Approach. $44.95 *Queue, Inc.*

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Making Sentences Work. $44.95 *Queue, Inc.*

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Education

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PU-940 Punctuation
Teaches students how to punctuate properly. $29.95 *MicroEd*

Quiz Master
Allows teachers to create lessons in any subject. Eight levels (240 questions) up to 40 questions per lesson. Different question formats: T/F, fill-in, answer. Supports sound, music, and graphics. $79.95 *Associated Computer Services*

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4 Disks, grades K-3. Over 1000 words in sentences varying in difficulty from A MAN RAN to SEE A HAWK FLOAT IN THE BREEZE. $89.95 *MicroEd*

Read & Rhyme
Outer-space theme talking language arts activities in phonics, reading, rhyming and more. Ages 5-10, 1-2 players. $49.95 *Unicorn Software Company*

Read-a-Rama
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Reading and Thinking III
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Reading game uses popular fairy tales to help children learn to read. Child reads aloud, each word changes color as it is read. Adjustable reading speed. $29.95 *Hilton Android*

SC-935 Planet Probe
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SC-936 Aids Information Game
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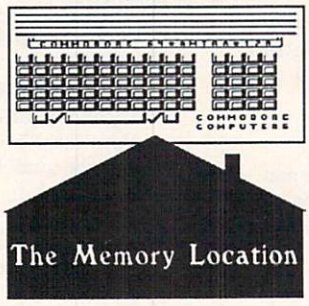

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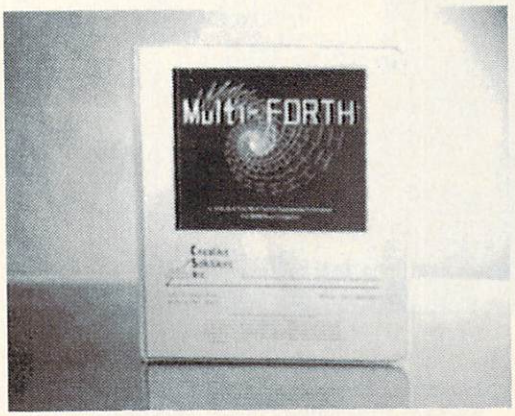

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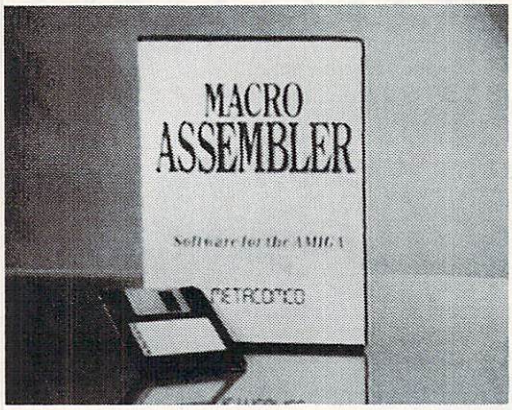

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Add-on product for Benchmark Modula-2. Interactive mouse driven source level debugger, a post-motem debugger, execution profiler, source formatter, and other advanced programming tools. $99.95 *Avant-Garde Software*

True BASIC 3D Graphics
Create 3D graphics with True BASIC 3D graphics and the True BASIC language system. Supports perspective and parallel views, arbitrary oblique projections, cabinet, and cavalier projections, circles, rectangles, grids, polygons, text plotting, contour plots. Also provides animation tools. $69.95 *True BASIC, Inc.*

Programming

True BASIC Language System
Stuctured, easy to use language, features: compiler, editor, and debugging tools. Floating point math, support for large dynamic arrays, and built-in syntax for matrix Algebra. Simplifies graphics, and lets you coordinate schemes and color palettes. Plot entire arrays with a single statement; apply built-in transforms; use the 3D Graphics Library to put depth into the graphics. $99.95 *True BASIC, Inc.*

True BASIC Sorting and Searching
14 optimized subroutines for string and numeric sorting. Allows case-blind, multikey, bubble, selection, heap sorts, and other customized comparison routines. Includes in-place quick sort and binary search routines. Includes the source. $69.95 *True BASIC, Inc.*

•Networking•

SCSInet 3.00
Local area networking system uses high speed data transfer and multi-user capabilities. Requires an ANSI standard SCSI Host/Controller. Allows file transfer to and from any logical device on any computer in a system. Can open a CLI window in any other computer in the system and act as a terminal to that computer to send and receive electronic mail. $99.95 *C Ltd.*

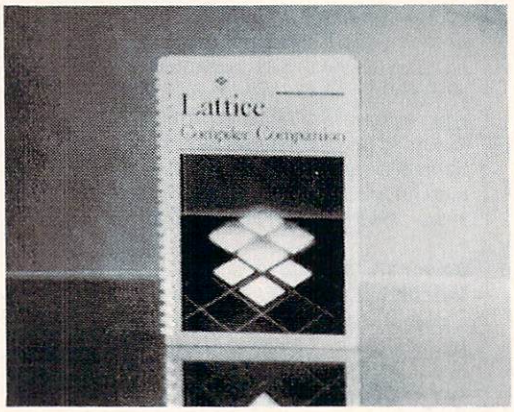
•Programming Utilities•

Aztec C68K/Am 3.6
Translates programs written in C into executable machine code. Features Manx Axtec source level debugger, UNIX utilities, math support libraries for 68881 and Manx IEEE emultion. more. $199+ *Manx Software Systems*

Basic Art Coder
Programmer's tool lets you create Amiga Basic graphics routines using only the mouse. As you draw, it fills the Cut-and Paste file with a compact version of standard BASIC graphics code. Paste this code into your program and it re-creates your images. Supports four resolutions, outlined shapes, and borderless windows. Not copy protected. Also includes a freely distributable slideshow program. $24.00 *Mojo Software*

C++
Object-oriented programming lets you produce more reliable programs with less effort. Price unavailable. *Lattice, Inc.*

Compiler Companion 1.0
Ten utilities designed to enhance the productivity of Amiga programmers. Extract file names from directories; build command



files; generate cross referencing of C source files; locate files by attributes, more. Can be used with any programming language. $100.00 *Lattice, Inc.*

•Tutorials•

AmiKit
Introduction to the Workbench and CLI. The AmiKit includes hands-on step-by-step instructions, an informative book to start using Workbench and CLI. Also introduces the modem to access bulletin boards which offer free downloadable public domain software. Package also includes a list of books and magazines that are of interest to beginners and advanced users. Includes 3 disks—two public domain programs, and the latest official version of Workbench. $39.95 *Vega Technologies*

Introduction to CLI
This is a video tape that includes hands-on examples on how to use CLI on the Amiga. Includes a protective plastic case and reference guide. VCR and TV or Monitor are required. 40 min. VHS tape. $29.95 *Vega Technologies*

Mastering CLI
Interactive tutor. Allows user to type in commands with various options. Shows results and explains them in detail. New users will be using CLI from the start. Uses the common commands extensively to familiarize new user with CLI environment. Also includes The Assistant, a memory resident reference of 21 most commonly used commands to provide quick on-line help. $39.95 *Graphic Expressions*

•Utilities•

360 dpi Fonts
Complete set of 360 dpi fonts for the NEC 24-pin printers. Requires the NEC P6 driver, 10 disks. $100.00 *Radical Eye Software*

Amiga Link
Software interface which joins the Amiga and V-LAN by Video Media for video editing. Price unavailable. *RGB Video Creations*

Amiga Multi-User Software
Allows the Amiga to serve multiple terminals with more than one window per terminal. Runs text only CLI programs from the terminals. Multi-user database software available. $120.00 *Conceptual Computing*

AmigaDOS Express
RAM-resident online AmigaDOS manual. Immediate reference for the commands and features of AmigaDOS. $29.95 *Bantam Electronic Publishing*

AmigaTalk
Mouse eliminator and access package for blind and sight-impaired users. Offers sight-impaired users near total access to the Amiga's Intuition and CLI. Total access to pull-down menus, gadgets, requesters, and other Intuition features. No mouse required. Handles multiple Intuition screens with ease. AmigaTalk package includes both print and cassette versions of the manual, with telephone support and 1MB RAM support available. Runs on any Amiga. Has 1MB RAM and 20K stack space for use with commercial applications. Demo available for $10.00. $225.00 *Inspired Interfaces*

Atredes BBS (includes Skypaint)
Advanced bulletin board for the Amiga. Can use most standard drawing functions over the modem (including IFF brushes, freehand, line mode, boxes fill modes, flood fill, etc.). Program limited only by the size of your system. 255 access levels, full text parser, hot keys, personal file transfers, and support for the new SkyPix™ protocol. $149.99 *Incognito Software*

Atredes SkyPaint
Paint program allows the user to design complex graphics for real time modem display. Supports most standard drawing functions including IFF brush transfers and 4 bit-plane graphics. $49.99 *Incognito Software*

Atredes Terminal
Powerful terminal with SkyPix support. Online mouse/joystick control. Will recieve IFF brushes, sound, and SkyPix functions, in real time over the modem. Supports most popular protocols. $49.99 *Incognito Software*

CBTREE
Simple but powerful program interface to all B+tree operations. Includes 70 p. manual, examples, and sample programs on disk. $99.00 *Peacock Systems, Inc.*

Programming

CLImate
Mouse-driven file management. Do system formats, rename, delete, and copy files, make directories and more—without viewing IFF files or touching the keyboard. Control page length, margin settings, and page numbering. Access, view, and copy any IFF formatted picture using the powerful display option. Pattern/wildcard feature simplifies directory management. $39.95 *Progressive Peripherals & Software*

Developer's Toolkit
Collection of machine-specific routines that facilitate access to ROM and other special Amiga features. Also includes access to Intuition. $69.95 *True BASIC, Inc.*

Epson FX Printer Driver
Driver and fonts for the Epson FX, MX, JX, and compatible series of printers. Also includes separate drive for almost all Epson-compatible printers, 10 disks. $100.00 *Radical Eye Software*

HP PaintJet Interface
Preference driver for the HP-PaintJet. $50.00 *Lattice, Inc.*

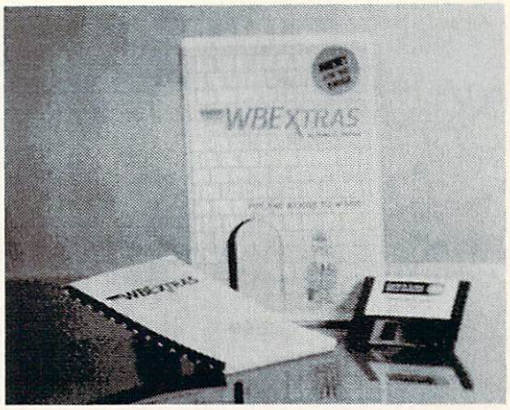
ImageWriter II Driver
Driver for the ImageWriter II, 2 disks. $100.00 *Radical Eye Software*

Laser Printer Drivers
Includes drivers for 300 dpi PostScript printers, the HP LaserJet Plus and Series II, the QMS Kiss and SmartWriter, and the HP DeskJet printers, 8 disks. $100.00 *Radical Eye Software*

MetaScope: The Debugger
An application program debugger that provides a multi-window environment for you to observe and control the execution of your application program. It gives you sophisticated breakpoint and trace capabilities, full symbolic support, a direct to memory assembler, and much more. $95.00 *Metadigm, Inc.*

NEC P6 Driver
Drivers and fonts for the NEC P6/P7 series of printers and the Epson LQ series of 24-pin printers, 6 disks. $100.00 *Radical Eye Software*

Opticks
The most powerful ray trace program of its type. Supports the Haitex X-Specs 3D glasses as well as 24 bit-plane output (for the IBM Targa systems and other devices). Surface mapping, picture mapping and an easy-to-use interface. $99.99 *Incognito Software*



Quadron QuadJet Interface
Preference driver for the Quadram QuadJet. $30.00 *Lightning Publishing*

The Analyst
Provides full complement of system maintenance and performance optimization utilities from the Workbench. Over 100 windows monitor every aspect of system operation and all can record, print, and compare performance attributes. Features include function key sets; password protection, 16 colors with selectable fonts; simple control of system lists and task priority for added performance; easy recovery of discarded files; easy disk verification. Convenient DOS Path and Device manipulation including Device Dismount. This feature allows you to boot with the new fast filing system. $89.95 *Lynn's Luna C*

Virus Infection Program (V.I.P.)
Protects viral disk infection. Viruses destroy vital boot block information; V.I.P. allows the user to preserve a library full of boot block information on a database. When the virus strikes, V.I.P. replaces the boot block information by writing it back from the database. Operates in English, Danish, German, French, Italian, and Spanish. $49.95 *Discovery Software International*

WBExtras
Workbench enhancement allows your Amiga to be operated entirely by clicking on icons and menus. Expandable menu options manage new CLI commands to let you unleash the Amiga's power without learning CLI. Two additional menus offer direct menu access to any Amiga program, multiple icon selection, optimized menu usage, easy icon assignment to any file type, documentation, help screens. Requires Kickstart 1.2 or 1.3. $39.95 *Lynn's Luna C*

•Disk Backup•

EZ-Backup
Save up to 255 versions of each file. Eliminates the need to do full backups each time the incremental back-up disks begin to pile up. Features optional warning screen, volume label checking, standard format, individual file recovery. Multi-tasking. Provides archive-bit utilities. Not copy-protected. Free upgrades and telephone support $49.95 *EZSoft*

•Disk Management•

Disk-Master
Disk management utility for all Amigas. $49.95 *Progressive Peripherals & Software*

•Disk Utility•

Disk-2-Disk
Transfers files between C64 or C128 and the Amiga. Reads/writes 1541/4040 and 1570/1571 disk formats. Converts Commodore/PET ASCII to Amiga ASCII and vice versa. Supports AmigaDOS style wild cards in the file names. Query/replace option provides duplicate file name detection. TYPE and DELETE (scratch) commands; file renaming where restrictions occur. Utilities to convert Doodle, Print Shop, and Koala picture files to IFF format. $49.95 *Central Coast Software*

DOS-2-DOS
Transfers files between MS-DOS or Atari ST and the Amiga. Reads/writes and formats 5.25 and 3.5 MS-DOS disks and Atari ST 3.5 diskettes. Converts ASCII file line ending characters and provides Wordstar compatibility. Query/replace options provide duplicate file name detection. Supports full directory path names, with wild cards in the file names, allows selection of MS-DOS and AmigaDOS subdirectory and displays sorted directory listing. $55.00 *Central Coast Software*

FaccII
Speeds up access to most floppy disks by as much as 12 times. Operates transparent to the Amiga. Can be used with copy protected games. $34.95 *ASDG Inc.*

FastFonts
Set of utility programs designed to speed up text display. $29.95 *Microsmiths, Inc.*

FinePrint
Multiple gray-shade print program works with most dot-matrix printers. Makes highly-detailed prints with true shades of gray.

Programming

Makes near-photograph quality prints. Makes postage stamp-sized as well as mural-sized prints. Mouse-oriented and easy to use. $49.95 *Designlab*

Fruit Friend
File transfer utility allows the Amiga to read and write to Apple IIe ProDOS or DOS 3.3 disks; converts Apple IIe picture files to IFF. $49.95 *Top Disk Software*

GOMF 3.0
Eliminates task held and Guru alerts. Preserves trap and exception vector tables, allows removal of task or process at any time. Configures to 68000, 68010, 68020. Easily added to the startup sequence for automatic error trapping. Available in software and hardware versions. Hardware version includes GOMF software and allows you to continue processing and continue processing and save data after a crash. Also can unlock a frozen machine. Software version, $34.95; hardware version, $79.95 *Hypertek/Silicon Springs*

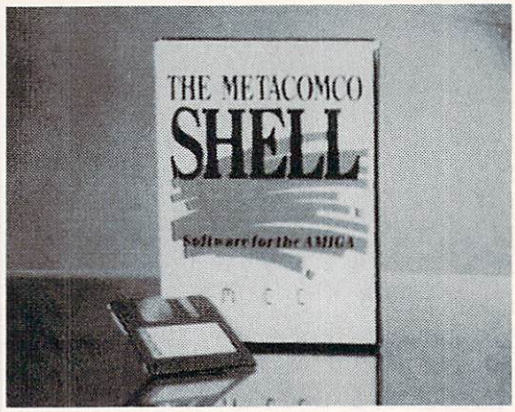
Holmes!
Allows the user to control disk and file recovery, recreate links in file structures. $49.95 *Mindware International*

I.C.E. Integrated Calculation Engine
Integrated Calculation Engine is aimed at all levels of user, from novice to scientist. It is capable of quite complex numeric and text processing tasks as well as simple daily chores. It compliments and greatly extends the scope of other programs as databases, spreadsheets, any application that involves calculations. $89.95 *King Publishing*

I.C.E. (Integrated Calculation Engine!)
Programmable calculation engine allows script files for automated number crunching. Many features. $79.95 *Quicksilver Software*

Intruder Alert
The Intruder Alert Monitor allows your computer to become a monitoring, logging, or security system for your home or business. The System comes complete with everything you need for remote sensing including detector switches and wire. Intruder Alert Monitor software allows for digitized audio alarms, speech synthesis, modem interaction, date and time stamping of events, external program launching, and utility support for BSR/X-10 controlling. $159.95 *Software Terminal*

JetSet 1.3
Utility programs for the Amiga and an H.P. LaserJet+ (or compatible) laser printer. Helps user achieve maximum printer performance. Plain English command allows access to all LaserJet+ functions, automated (point and shoot) utility modifies and downloads multiple disk-based soft fonts for use on LaserJet+. $39.95 *C Ltd.*



KickWork 1.3
Combination of Workbench and Kickstart disks. Loads Kickstart code and Workbench from the same disk. Reboots automatically, does not have to be re-armed. $29.95 *Amigo Business Computers*

LV BackUp
Protects the data stored on your Hard Disk, RAM Disk, or Network device by copying to floppy disks. $69.95 *MKSoft Development*

Marauder II
Copies disks, removes copy protection from most software, allowing installation to hard disk. $39.95 *Discovery Software International*

Metacomco Shell
Command line interpreter with many features including command line history, command line editor, aliases, variables and push and pop directories. $69.95 *Metacomco*

Metacomco Toolkit
Many program development utilities including pipes, make, AUX CLI, librarian, dissassembler, Enlarge, browse, pack/unpack. $49.95 *Metacomco*

NEC CP7 Interface
Preferences driver for the NEC CP7. $50.00 *Lightning Publishing*

NLQ 342C Interface
Preferences driver for the NLQ 324C. $50.00 *Lightning Publishing*

Project D
Integrated disk utility system. Includes The Backup Tool, disk copier. Copies most protected disks with parameters updated regularly. The Omni Tool, a special format copier, duplicates MS-DOS/PC-DOS, Atari-ST, CP/M, and Xenix formatted disks. The editor Tool, powerful disk editing utility allows you to edit Amiga disks from AmigaDOS to MFM Catalog Tool; disk indexing utility helps keep track of personal, commercial, and public domain disks. $49.95 *Fuller Computer Systems*

Quarterback
Hard disk-to-floppy backup runs under Workbench or CLI. Backs up to or restores from floppy disks, Inner Connection's Bernouli drive or any AmigaDOS compatible device. Uses two floppy drives (if available) for back-up restore with automatic switching. Automatically formats diskettes, builds catalog of files, produces backup/restore report to disk or printer, and much more. $69.95 *Central Coast Software*

SuperBack
Protect data stored on a hard disk, RAM disk, or network device. Select or copy any or all files or directories onto floppy disks. Data may be restored selectively by file, directory, or device. All features accessible from key commands or mouse. Clear screens and menus; concise manual, and in-depth tutorial with step-by-step back-up instructions. $74.95 *The Disk Company*

Shinko Printer Drivers
Drivers for the Mitsubishi-Shinko line of Hi-Res, High speed, color thermal hard copiers. $130.00 *ACDA Corporation*

T.A.S.A. (The Amiga Structure Automator)
Designs multiple screens, windows, gadgets, images, image data, sprites, borders, text and more, then produces the Clangvange structures for them. Can decipher structures for future editing. Reads in IFF, generates hexadecimal data for IFF brushes. Requires 1Mb of RAM. $54.95 *Future Computer Applications*

The Disk Mechanic
A collection of utilities for AmigaDOS versions 1.2-1.3. The package includes a disk option called tune-up that can boost disk performance up to 400%. Also includes an archival/incremental hard disk back-up utility, a program that recovers deleted files and repairs corrupt disks; a full feature disk block editor, and a dozen CLI-based disk management utilities. Supports all Amiga hard and floppy disks and the fast filing system. Requires 512K RAM. $89.95 *Lake Forest Logic, Inc.*

Tshell
UNIX-like command shell, CLI replacement, and forth generation language and operating system interface. Features command line editing and history, built in commands, AmigaDOS compatibility, variables, arithmetic operators and expressions, looping and conditional statements, procedures, ARexx-compatible interprocess communication, and complete on-line documentation. $2 Demo disk available. $49.95 *Metran Technology*

TxEd *Plus*™

The Text Editor for the Amiga™, *Plus* a whole lot more.

BlitzDisk	Disk cache, speeds up floppy and hard disk reads up to 2000%.
FastFonts	Speeds up text display.
FunKeys	Hotkey window manipulator.
ARP	Latest versions of the AmigaDOS™ Replacement Programs.
AREXX	Demo version of the AREXX, the macro processor used by TxEd Plus.

TxEd *Plus* is a powerful yet simple text editing environment designed to meet all of your text editing needs. It's small, fast, and fully configurable. The AREXX macro language connection makes TxEd *Plus* an ideal foundation for your complete multitasking system.

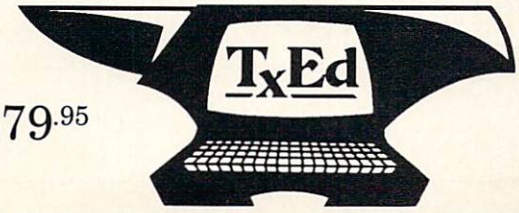
"As a programming and general-purpose text editor, TxEd Plus sets the standard."
-Warren Block, Sept '88 INFO Magazine

"(TxEd V1.3 is) ...a very good editor and an excellent value."
-Jan&Cliff Kent, Vol. 1 #9 Amazing Computing

"FastFonts/BlitzDisk provides much more than Facc II for a similar price."
-Warren Block, July '88 INFO Magazine

"Yes, get TxEd if you're editing almost anything on the Amiga."
-Bruce Webster, July '86 BYTE Magazine

"I found the ARP commands to be smaller, faster, and more powerful than their BCPL forerunners."
-Jeff Blume, July '88 AmigaWorld



$79.95

Microsmiths, Inc
PO Box 561, Cambridge MA 02140
(617) 354-1224 BIX: cheath CIS: 76004,1766

MC and Visa accepted. Mass Residents add 5% sales tax.
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Programming

Utilities #1
8 additional modules for SoundScape: Mouse Bender, System X, Frame Counter, Fuel Gauge, Clock Divider, more. $49.95 *Mimetics Corporation*

Vedit
An advanced text editor developed by Dr. Rick Stiles. The program has received numerous compliments, and is highly regarded by both professionals and beginners. $59.95 *MCP Associates*

WShell
Replacement command shell that offers command aliases, resident commands, piping. CLI compatible, supports ARexx. $49.95 *William S. Hawes*

ZING!
Utilities that execute all the basic CLI system commands from Workbench through menu, mouse, and function keys. $79.95 *Meridian Software Inc.*

ZING! Keys
Macro and hot key program lets you play back mouse movements or type out any series of commands with one key stroke. $49.95 *Meridian Software Inc.*

•Engineering•

DigiScope V1.0
A digital storage oscilloscope emulator program. Designed to work with any parallel-port digitizer. Digital signal processing, waveform scrolling routines, archival functions, and the standard complement of signal statistics. Also features an extensive Fast Fourier Transformation (FFT). $139.95 *ACDA Corporation*

Digital Building System
Economical alternative to costly digital electronics emulator/testers. Build circuits by placing parts on the screen and soldering them together. Computes logic state of every pin of every part and displays wires in color. Mouse driven, also has keyboard commands. Uses windows, gadgets, and menus. Supports basic logic gates through the menus. Includes disk based libraries. $299.00 *MicroMaster Software*

DX Series
Includes DX11 and DX16. Faster on-screen simulations of their Hewlett-Packard counterparts. Many new features. $49.95 *Discovery Software International*

•Telecommunications•

A-Talk III
For communications and terminal emulation on the Amiga. Includes X, Y, and ZMODEM, KERMIT and ASCII protocols. Script language with over 40 commands, unattended mode, 60 entry phone directory, quick menu for global selections, 2, 4, 8, color support. $99.00 *OXXI, Inc.*

A-Talk Plus
Communications program and terminal emulator. Terminals emulated include VT1000, VT52, H19, and TEK 4010/4014. Communications protocols include XMODEM/CHEKSUM, XMODEM/CRC, and Kermit. Also includes ASCI file send and receive capability, concurrent printing and capture, voice option, auto-dial, re-dial, hangup. Much more. $79.00 *OXXI, Inc.*

AMIC Sportster Pack
Total communications package includes AMIC Term, membership to AMIC 2000, USR Robotic 2400 baud modem, and a Tyme Net telecommunications access package. $289.95 *Amic Development Corp.*

AMIC Term
Fast communications software for the Amiga. Includes AMIC-Talk, all emulations, all protocols. $99.95 *Amic Development Corp.*

Amiga Plato Access Disk (PAD)
Terminal emulation program for Control Data Plato systems. Supports full Plato protocol and more. $30.00 *Prospect Software*

CoComm
High-powered macro-key based communications program for CIS. $15.00 *Soft Circuits, Inc.*

Custom - BBS!
BBS system for the Amiga with optional dating system, business questionnaire, and long file descriptions. $100.00 *Celestial Data Systems*

Diga!
Communicate with almost any other type of computer system, from VAX to another Amiga. Includes five terminal emulations, or write your own. Send or receive graphics files from mainframes or minis, convert graphics, eight protocols to transfer files, more. $79.95 *Aegis Development, Inc.*

Dr. Term Professional
Versatile telecommunications system for all Amigas. $99.95 *Progressive Peripherals & Software*

Macro Modem
User-written macros, 20 telecommunication operations on function keys, shell for CLIs. FileFilter utility translates Amiga, MS-DOS, and Mac text files. $69.95 *Kent Engineering & Design*

Mainframe
Allows you to communicate with any other on-line system. Includes the most up-to-date protocols, macros, textbook-like manual. Price unavailable. *Progressive Peripherals & Software*

MiddleMan
VT-100 Terminal emulator supports numeric keypad, text file transfer. $59.95 *Benaiah Computer Products Inc.*

MiddleMan II
Teletronix 4105 color graphics terminal emulator. $129.95 *Benaiah Computer Products, Inc.*

Online Platinum Edition
Incorporates all the features listed under The Works! Telecommunications Module. Includes new Research and Development Division design named Sadie!, a two way file transfer and chat protocol that lets you download and upload simultaneously. $99.95 *Micro-Systems Software*

ProtoCall
Fully-featured telecommunication package designed to utilize all the power of the Amiga. $49.95 *Data Solutions*

SKEterm
Communication package with many features. $49.95 *SKE Software Company*

Smart Fields
Powerful replacement for Intuition string gadgets. Simulates microcomputer input fields but fully utilizes Amiga graphic capabilities, allowing you to simultaneously specify titles, borders, and images. Uses compile-time library of C functions that link with Lattice or C programs. Handles all input editing and mouse cursor placement. Toggles between input and insert and typeover and allows full access to console keys. All field processing is transparent to the application. $39.95 *Software Ingenuity*

Hardware

Hardware for the Amiga
Constantly expanding and improving, hardware for the Amiga is at the height of every Amiga user's "best investments list". In this ever growing Amiga industry it's difficult to keep up with the Jones', however, improving and personalizing your Amiga into an environment best suited for your needs, is a must.

The Amiga's capabilities are brought to life through hardware which allow you creativity as well as professional results. Amazing results for the business user as well as the novice. The following collection is a great shopping list of Amiga options. Pick and choose carefully to create the Amiga of your dreams.

•Clocks•

501 Memory/Clock Expansion
Inboard 512K memory and clock module, expands your A500 to 1meg and keeps it up to date. $199.95 *Commodore Business Machines, Inc.*

A-Time
Battery-backed clock for the A1000. $39.95 *Akron System Development*

MouseTime for A1000
Battery-backed mouse port clock passes the port through for joysticks and other devices. $39.95 *MicroBotics, Inc.*

TimeSaver II/1000
Includes the original features of TimeSaver/1000, plus auto key repeat. Enhanced command line editing functions, on screen or hard copy listings of current macro keys and their definitions, ability to store macros on disk, and more. $99.95 *C Ltd.*

TimeSaver II/2000
For the 2000. Multifunction device provides hardware based macro key definitions that are stored in 7K of RAM in the Time Saver unit. Also includes keyboard password protection and full Keyboard Command History/Recall and Command Line Editing. All functions performed with Time Saver to free RAM memory. Allows storage, retrieval, and editing of macro key definitions. $79.95 *C Ltd.*

TimeSaver II/500
For the 500. Multifunction device provides hardware-based macro key definitions that are stored in 7K of battery backed RAM. Includes keyboard password protection and full keyboard Command History/Recall along with Command Line Editing. All functions performed by Time Saver to free RAM. Allows storage, editing, and retrieval of macro key definitions. $79.95 *C Ltd.*

TimeSaver/1000
For the 1000. Multifunction battery-backed real-time clock saves RAM memory, connects via the keyboard port. $79.95 *C Ltd.*

TimeSaver/1000-2000 Upgrade Kit
Upgrades the TimeSaver/1000 for use with the A2000. Includes adaptor cables, new operating system, ROM, instructions. $29.95 *C Ltd.*

•Computer Systems•

Amiga 500 CPU
Features Motorola 68000; 16/32 bit; 512 KB RAM standard, 1 MB RAM with optional internal memory expansion A501. Externally expandable to 8 MB RAM (with AutoConfig). 256K ROM (includes Kickstart 1.2). Keyboard includes 10 function keys, two-button mouse Drives: built-in 3.5 disk drive (capacity 800KB formatted); maximum 1 external 3.5 drive and 1 additional 5.25 drive. Video: 400 lines; graphic co-processor with beam synched draw. 4 independent sound channels, sound buffer, much more. $699.95 *Commodore Business Machines*

Amiga 2000 CPU
Features Motorola 68000; 16/32 bit; 1 MB RAM standard (internally expandable up to 8 MB); 256 KB ROM (includes Kickstart 1.2). 1 slot Amiga CPU bus; 5 slot Amiga system bus with AutoConfig feature; 3 slot PC bus; 1 video slot. Keyboard with 10 function keys; two-button mouse. Built-in 3.5 disk drive (800 KB formatted); mounting locations for optional 3.5 drive; 5.25 disk drive. Video: 400 lines vertical frequency 60 HZ; 4 independent sound channels; built-in English text-to speech device, much more. $1995.00 *Commodore Business Machines*

•Digitizers•

300 DPI Scanner
Saves images as B/W IFF files at 75, 150, 200, or 300 dpi. Saves in 15 seconds. User-definable scanned page regions for high-res use. Programs can be used in any IFF-supporting program, allowing you to color images in paint programs like DeluxePaintII, or import them into Professional Page or Professional Draw. Comes with parallel port hardware and software interface. $1095.00 *Gold Disk*

Auto-Droid
Servo motor and cable automatically turns the color filter wheel for NewTek's Digi-View. Allows focusing of the camera through the clear lens. $59.95 *MicroSearch, Inc.*

Digi-Droid
Motorized filter wheel automatically advances the color filter wheel for Digi-View. Speeds up digitizing and minimizes chances for mistakes. Hands-free digitizing. $79.95 *NewTek*

Digi-View Gold
Input by a standard NTSC video signal, the package connects to the Amiga parallel port. Color seperation conducted using primary red, green, and blue filters (included). Works on all Amiga resolution modes up to 768 x 480 high resolution overscan. Accuracy to 7 bits/pixel or 128 grey levels in monochrome and 21 bits/pixel or 2,097,152 colors in color mode. The software allows complete control over brightness, contrast, saturation, color levels, and sharpness. Selectable dither, remap images, reads and writes standard IFF files. Also reads and writes 21 bit RGB and 1 byte per pixel IP files with additional image processing information. PAL versions are available. RS-232 gender changer required for use with A1000. $199.95 *NewTek*

Frame Capture
Frame grabber captures a single frame of full color NTSC video in 1/15th of a second in four fields. $199.95 *Mimetics Corporation*

FrameGrabber
Real-time image digitizer for all Amigas. Captures color images from the VCR or video camera in just 1/60th sec., then stores image in internal dynamic RAM before passing it through the parallel. Filter and enhance raw

Hardware

images, modify captured images, change brightness and contrast, modify pallette colors, filter image noise, and enhance edge details. Saves in IFF format or as RGB images. Use Save Frame to save parts of image, more. $499.95 *Progressive Peripherals & Software*

IMG Scan II
Turns your printer into a high resolution image scanner. 256 gray levels, full-color assignable. $139.95 *Seymor-Radix*

Impulse Video Digitizer
Capture, freeze, and digitize any NTSC video source in full color at 1/60 sec. Select full frame or single fields. Images transferred via software, in 400 line overscan HAM mode. Pictures can be saved as IFF ILBM images or RGBN images for direct inclusion into Silver for animation. Digitizer package includes Diamond, a paint program allowing user to tint, shade, smooth, and edit the final image. $499.95 *Impulse, Inc.*

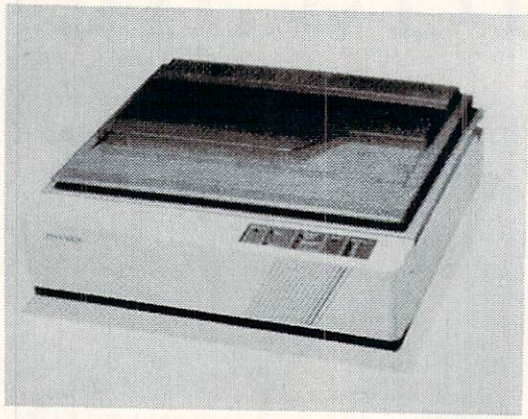
LIVE!
Digitizes a moving color image in real time from any video source to the A1000. This package can decode an NTSC video signal, grabs a picture as fast as 15 frames per second in 16 level grey scale, and has an overscan ability to completely cover the Amiga video screen with your image (no blank borders). Plugs into the A1000 expansion port! $295.00 *A-Squared Distributions Inc.*

LIVE!500
Digitizes a moving color image in real time from any video source to the A1000. Decodes an NTSC video signal, grabs a picture as fast as 15 frames per second in 16 level grey scale, and has an overscan ability to completely cover the Amiga video screen with your image (no blank borders). Plugs into the A500 expansion port and comes with its own power supply. $399.00 *A-Squared Distributions Inc.*

LIVE!2000
Same features as Live! and Live!500 and more. Dual video switching (allows fades wipes and other special effects), video signals from composite video or RGB input, 640 resolution, optimizer package for B&W cameras, and additional real time video effects. Live!2000 fits internally into the A2000 and is Zorro 2 compatible. $450.00 *A-Squared Distributions Inc.*

Perfect Vision
A video frame grabber digitizer with IFF format save. $219.95 *Sunrize Industries*

Proto-40K
Digitizer with 16 channel, 12-bit multiplexed analog to digital converter, two 8-bit digital to analog converters, a 3-channel programmable timebase, 16 digital inputs and one expansion card. Also features a highly stable instrumentation amplifier with programmable gain. Data aquisition and process control projects are a snap to develop with the Proto-40K and data aquisitions system (DAS) software and C source code. Sample programs included. Fits some A1000 card cages. $1795.00 *ACDA Corporation*



Professional ScanLab
Professional color scanning package that includes all the software cables and hardware interfaces for the Amiga 2000 to provide total control over Sharp's JX-300 and JX-450 color scanners. High-quality 24 bit data from the scanner can be converted into Amiga HAM images, or maintained in its 24 bit true color form. Sent to professional output device, this translates into 16,000,oo colors. Also supports the largest picture resolutions of any Amiga system: 5100 x 3300. $995.00 *ASDG*

ScanLab 100
Converts the high speed interface of the JX100 scanners for use on the Amiga. Offers many of the same advanced color processing capabilities, virtual memory, and user-friendly interface already used by ASDG's Professional ScanLab. Includes JX 100 cable and software. Price Unavailable. *ASDG*

Sharp JX-100
One of the smallest scanners in the world and the first hand held scanner available for the Amiga. Scans an area of 4" x 6" at 200 DPI, and will do black and white, gray scale, and color scanning for high quality desktop publishing. $995.00 *ASDG*

Sharp JX-300
Scans originals up to 8.5" x 11" with a 300 DPI resolution. Meets most business and some high-end needs Uses GPIB (IEEE-488) interface to the host computer. Can be purchased for grey-scanning and upgraded for color later. *$4995.00 ASDG/Sharp Electronics*

Sharp JX-450
Sharp's best-selling color scanner for desktop publishing, slide creation, and other areas demanding high-end image processing. Easy operating, high quality desktop full color scanner. Provides the precision quality scanning of a console from a desktop. 300 DPI resolution capacity ensures accurate, detailed images. 64-shade gradations for each RGB color provides the subtlest details of images. Scanning of slides and transparencies available with optional mirror. Scanning capacity up to 11 x 17. $6995.00 *ASDG/Sharp Electronics*

•Floppy Drives•

2010 3.5 Internal Drive
3.5 horizontal floppy, no external power supply. Maximum transfer rate of 250 KB/sec.; reads an entire track at one time; supports fast data transfer rates. MFW read/write format, 880K storage capacity, double-sided/double density; formatted in 160 tracks with eleven 512 byte sectors each. Power supplied by the A2000 computer system. $199.95 *Commodore Business Machines*

3.5 Floppy Drive-External
3.5 drive for the Amiga. $189 *HHT Electronics*

3.5 Floppy Drive-Internal
3.5 drive for the Amiga. $159 *HHT Electronics*

AM-800W/500
Removable media WORM (write once read many) optical disk drive system for the A1000. Includes SCSI host/controller, 801.63Mb optical disk drive. Uses removable media floppy type disks with 400.81 Megabytes capacity on each side. Features built-in 16K R/W buffer. Uses 5.25 in. high density optical disks. (Retail $200.00 ea.) Shipped with cables, fully tested. Certified formatted disk included. $5949.95 *C Ltd.*

Amiga 1010 External 3.5 Drive
Your expanding business and personal needs demand extra versatility and increased productivity. Add the 1010 to your system as an additional external drive and enjoy increased storage. With the internal drive, the 1010 will support a business environment with greater capacity and fast back-up. $299.95 *Commodore Business Machines*

Amiga 1020 5.25 External Drive
5.25 external floppy drive with 360K formatted capacity. When used with AmigaTransformer™, it also allows file copy from 5.25 to 3.5 format. $399.95 *Commodore Business Machines*

Hardware

CA-880 3.5 Floppy Disk Drive
Small, quiet disk drive supports all Amiga models, formats 3.5 in. double-sided, double-density diskettes for up to 880K of storage. Fully compatible with A1010 disk drives. Only 1.12 in. high, low (1.5W) power consumption for read/write operation. Provides comprehensive protection for diskettes and includes high precision stepper motor and low friction steel belt for quiet operation. $229.95 *Logical Design Works, Inc.*

Dual 3.5 Drive
Includes power light, circuit breaker, more. Optional internal power supply. $345; with internal power supply. $395.00 *Comp-U-Save*

Dual Drive External 3.5 Floppy Drive
Comes with 18 cable, enclosed metal case, pass-through for additional drives, 90-day warranty. $329.95 *Pioneer Computing*

ECE Alignment Kit
Aligns Amiga 3.5 disk drives. Uses Analog Alignment Disk. ECE program disk contains graphic representations of signals on the Alignment disk. Includes board and cable, manual, more. Uses mouse or keyboard. (Function key template included.) $175.00 *ECE Research & Development*

Floppy Drive (for Escort System 500)
For the Escort System 500. Includes controller card, cables, 23-pin connector that mounts on the rear of the chassis, and quiet 3.5 floppy. $239.00 *Expansion Technologies*

Hard Disk Plus-20
Hard disk for the A500, includes SCSI host/controller, 20MG hard drive. Supports up to 14 drives. Optional 2MB RAM expansion available. Supports auto-boot, fast filing system, and includes hard disk utilities including Partition and Backup programs. $749.95 *Synergy Peripheral Systems*

Internal 3.5 Disk Drive for A2000
Faster internal 3.5 drive. Dealer installation recommended. $149.95 *Studio 7*

Master 3A Amiga Compatible
Floppy Disk drive, fully compatible with all Amiga Computers, Smaller and slimmer that the 1010, full one year warranty, Double sided/Double density 880KB formatted Capacity. $189.00 *Ocean America*

UniDrive
External 3.5 Drive. Super slimline, low standby power, switch deselectable external drive. Quiet running, hinged front dust cover,round removable, metal cable. Powered by the Amiga powerpack from external DC. Upward compatible with twin and tridrive. $159.00 *Memory and Storage Technology, Inc. M.A.S.T.*

PFD-135E
3.5 880K external floppy drive for all Amigas. Features low power drive with pass-through, 800K formatted per drive, 512 bytes per sector, 256 logical bytes per sector, 80 cylinders per diskette. $229.00 *Phoenix Electronics, Inc.*

PFD-135I
3.5 880K internal floppy drive for the A2000. $149.95 *Phoenix Electronics, Inc.*

ProDrive
External disk drive for all Amigas. $239.95 *Progressive Peripherals & Software*

ProDrive 2000
Internal disk drive for the A2000. $189.95 *Progressive Peripherals & Software*

Single Drive
Compact, low-wattage single external drive with pass-through. $190.00 *Comp-U-Save*

Single Drive External 3.5 Floppy Drive
Comes with 18 cable, enclosed metal case, pass-through for additional drives, 90-day warranty. $159.95 *Pioneer Computing*

The Master-3A Amiga Disk Drive
The Master 3A 3.5 Disk Drive for all Amiga Computers is the quietest, most reliable external drive available. Significantly smaller and slimmer than the 1010, The Master 3A comes with a 27" cable and is covered by a one year warranty. Low power consumption and a pass through allow daisy chaining of the drives. $159.00 *Surfside Components International*

TwinDrive
External 3.5 Duo Drive. Super slimline, low standby power, switch deselectable external drive. Quiet running, hinged front dust cover, round removable, metal cable. Powered by the Amiga powerpack from external DC. $299.00 *M.A.S.T. (Memory and Storage Technology, Inc.)*.

•System Expansion•

2088 Bridgeboard
Provides 8088 co-processor system with IBM™ PC/XT compatibility to bridge the Amiga and DOS worlds. Plug into one of the combined Amiga and PC system bus slots to run IBM PC compatible software while running Amiga tasks. Comes with external 5.25 drive. Up to 3 external floppy drives; 3 IBM compatible full-size slots available for hard disk controller, communication adapter, graphics adapter. Software: Ms/DOS®, GW BASIC® 3.2. Fast dual port memory, full speed CPU access during system DMA. $699.95 *Commodore Business Machines*

A2000 K-card Adapter
K-card adapter for the Amiga2000 allows the access to K card style expansion. $100.00 *Ronin Research & Development, Inc.*

CPU-992
14MHz CPU accelerator board without processors. For the A2000. $695.00 *CSA*

CPU-992-XX
Modification to the CPU-992 for 16, 20, or 25MHz 68881/2 coprocessor. $95.00 *CSA*

DragStrip™ A2000 RAM Accellerator
Lets you take advantage of faster processor boards without the high cost of 32 bit RAM. Gives you the speed of 32 bit memory at 16 bit DRAM prices. Fast screen updates and hard drive accesses; up to 16 Mb of memory at almost half the cost of other 32 bit RAM boards. Requires no dynamic memory chips, uses off-the shelf 16 bit DRAM boards. $795.00 *Computer Systems Associates*

Fastmpu
An internal micro processor module with 2x clock rate to increase the speed of the Amiga. Optional sockets for 68881 math co-processor and cache RAM. Software utilities included. *Xetec Inc*

FasTrack A1000 Accellerator
Efficient and economical upgrade for the A1000 and A500. Piggyback boards replace the 68000 processor with a 68020 and optional 68881 or 68882 running at up to 25MHz. Similar to CSA's A2000, CPU, CSA's internal accellerator board is easily installed and requires no modifications to your Amiga. $595.00 *Computer Systems Associates*

FasTrack ™ A2000 Accelerator
Hassle-free upgrade from 16/32 bit, 7 MHz 68000 to 68020 full 32 bit processor at 14MHz. Fits into A2000's CPU slot or the A1000 expansion chassis. Does not require removal of your Amiga's processor and lets you disable the 68020 and re-select 68000. Easy installation; no modifications required. Fully compatible with standard Amiga software and Commomdore hardware. $995.00 *Computer Systems Associates*

Hurricane
Modular family of accellerator and memory boards for the Amiga 1000 and 2000. Start with a 14 MHZ 68020 accellerator, add a 68881 math coprocessor, up to 4 MB of memory and a 68030 coprocessor. Easy installation and reliable operation, highly compatible with other software and hardware. $400.00 *Ronin Research and Development*

Hurricane 68030 Interface System
Motorola 68030 microprocessor, replaces the 68000 microprocessor. $990.00 *Ronin Research and Development, Inc.*

Hardware

Hurricane Accelerator Board 16MHz
Combines Motorola 68020 microprocessor and 68881 math coprocessor, replaces the 68000 microprocessor. Speeds up applications even without memory expansion. Makes the Amiga up to 40 times faster than IBM AT and 5 times faster than VAX 11/780, while retaining full software compatibility. Runs all standard Amiga software packages. $995.00 *Ronin Research & Development, Inc.*

Hurricane Accelerator Board 20MHz
Combines Motorola 68020 microprocessor and 68881 math coprocessor, replaces the 68000 microprocessor. Speeds up applications even without memory expansion. Makes the Amiga up to 40 times faster than IBM AT, 5 times faster than VAX11/780, while retaining full software compatibility. Runs all standard Amiga software packages. $1095.00 *Ronin Research & Development, Inc.*

KickBooter
KickBooter is a co-processor and accelerator card. This device allows your A2000 to boot via either the parallel or the serial port. Your A2000 can boot from a hard drive or even RAM from another Amiga. The card contains a CMOS 68000 running at 16 mhz and supplies a co-processor socket for a 68881. Price unavailable. *M.A.S.T. (Memory And Storage Technology, Inc.)*

Kickstart Eliminator and RAM Expansion Kit
Install ROM into existing locations on the motherboard, gain an additional 256K of fast RAM. Soldering required. $150 installed by CMI. $129.95 *Creative Microsystems, Inc.*

Mach II
CPU accelerator for the A2000 nearly doubles speed. Hardware and software compatible. Does not require special memory. $300.00 *Aminetics*

MC68020-12MHZ
12 MHz 68020 processor for CSA accelerator boards. $275.00 *CSA*

MC68020-16MHZ
16MHz 68020 processor for CSA accelerator boards. $475.00 *CSA*

MC68030-16
16MHz 68030 processor for CSA accelerator boards. $995.00 *CSA*

MC68881-12MHZ
12 MHz 68881 math co-processor for CSA accelerator boards. $225.00 *CSA*

MC68881-20 MHZ
20MHz 68881 math co-processor for CSA accelerator boards. $595.00 *CSA*

MC68882-16
16MHz 68882 math co-processor for CSA accelerator boards. $595.00 *CSA*

MC68882-20
20MHz 68882 math co-processor for CSA accelerator boards. $875.00 *CSA*

MC68882-25
25MHz 68882 math co-processor for CSA accelerator boards. $995.00 *CSA*

Mini-Rack-D
Full Zorro I card rack which can contain two Zorro I expansion cards. Contains 85 watt power supply. Cutouts in back for cables. $325.00 *ASDG Inc.*

Mini-Rack-E
Full Zorro I card rack can contain two Zorro I expansion cards and one 3.5 hard disk drive. Includes internal power supply. $499.00 ASDG Inc.

MMI PAL Chip Set
Faster, less sensitive alternative PAL chip set for the A1000 daughterboard. $20.00 *C Ltd.*

MultiFunction Module
Daughterboard for the StarBoard2. Supports Motorola 68881 Math Chip as an I/O device. $90+ *MicroBotics, Inc.*

Optimizer
Multiple function card provides 14.32 MHz 68000 CPU, 68881 math co-processor, 1MB memory expansion (0MB installed) with fast access to the system ROM routines via FAST BUSS™. Price unavailable. *Synergy Peripheral Systems*

Over 030™ Upgrade
Twice the processing power of the On-board Memory Management Unit eliminates need for external 68851 MMU for UNIX™, X-Windows, and other networking environments. Includes both instruction and data cache. Harvard Parallel allows instructions and data to be processed simultaneously. $1190.00 *Computer Systems Associates*

PC- Elevator 386
Provides 80386-powered PC compatibility to any Amiga with a Commodore Bridgeport, delivering 12 times the speed of Bridgeboard alone. Installs by plugging into a PC-type expansion slot. Includes 1 MB of high speed zero wait state DRAM, as well as RAM disk and disk cache software. The flexible Memory Management utility allows you to use all the memory already in your system, including Bridgeboard memory. $1795.00 *Applied Reasoning Corporation*

PC-ELEVATOR 386
386-based accellerator board. $1795.00 *Applied Reasoning Corporation*

PFM-1146CA
68030 board for the CPU-992 without processor. $495.00 *CSA*

PGY-905
Internal accelerator board without processors. For the A500 and 1000. $295.00 *CSA*

PGY-905-XX
Modification to the PGY-905 for 12, 16, 20, or 25MHz 68881/2 coprocessor. $95.00 *CSA*

Processor Accelerator
Run 68000 instructions at double speed. Internally installed circuit board plugs into the motherboard. Plugs into the MC68000 socket. Available 2nd quarter 1988. $149.95; $199.95 with Math Co-Processor socket. *Creative Microsystems, Inc.*

SB 2000 Adaptor
Adapts the StarBoard2 for the A2000. Low-cost adaptor card allows installation of a de-cased StarBoard2 inside the Amiga 2000 in the 100-pin. When adapted to the 2000, StarBoard2 is fully functional auto configuring memory and allows access to all the StarBoard2 Multi-Function options—StickyDisk, Math chip, parity or the new SCSI Module. $49.95 *MicroBotics, Inc.*

SB500 Powercase
Adapts A1000 version of StarBoard 2 to Amiga 500. $169.00 *MicroBotics, Inc.*

TH1000
Turbo high-rise expansion chassis. $995.00 *CSA*

•Expansion Chassis•

Escort System 500
Includes chassis, two zorro expansion slots, 2MB RAM card, more. Chassis supports monitor, leaves room for expansion. Provides two configurations for future additions. One allows 2MB memory card with power supply for total of 4MB and 3.5 in. floppy drive. The other allows space for controller card, half height drive with power supply and 3.5" floppy drive. $849.00 *Expansion Technologies*

Subsystem 500
2 slot expansion box for the A500 with optional 3.5 floppy drive. Uses A2000 form factor expansion cards. Just 1.5 high, sits under computer. With drive $399. $249.00 *Pacific Peripherals*

Subsystem 1000
3-slot expansion box with pass-through. Uses A2000 form factor cards. 3.5 SCSI hard drive may be mounted inside box. $249.00 *Pacific Peripherals*

Hardware

•Graphic Devices•

AProCAD Graphics 9 x 6 inch Tablet Package
9 x 6 inch tablet with up to 1000 lines per inch. Includes 4-button crosshair cursor, Summagraphics MM-Series tablet. Interfaces through the serial port. $499.00 *R & D L Productions*

AProDraw Graphics 12 x 12 inch Tablet Package
12 x 12 inch tablet with up to 1000 lines per inch. Includes 2-button stylus, Summagraphics MM-Series tablet. Interfaces through the serial port. $549.00 *R & D L Productions*

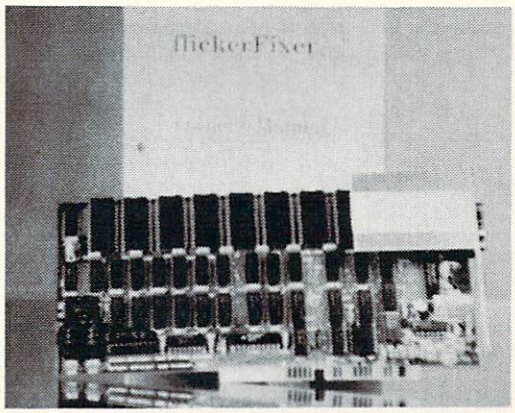
Easyl A500
1024 x 1024 pressure-sensitive digitizer for art, animation, design, CAD, map making, and touch control applications. Allows user to draw or trace directly into the Amiga with an ordinary pencil on paper. Works with all 1.2 Amiga programs with the Amiga mouse and easel operating simultaneously. $399.00 *Anakin Research, Inc.*

Easyl A1000
1024 x 1024 pressure-sensitive digitizer for art, animation, design, CAD, map making, and touch control applications. Allows user to draw or trace directly into the Amiga with an ordinary pencil on paper. Works with all 1.2 Amiga programs with the Amiga mouse and easel operating simultaneously. $449.00 *Anakin Research, Inc.*

Easyl A2000
1024 x 1024 pressure-sensitive digitizer for art, animation, design, CAD, map making, and touch control applications. Allows user to draw or trace directly into the Amiga with an ordinary pencil on paper. Works with all 1.2 Amiga programs with the Amiga mouse and easel operating simultaneously. $499.00 *Anakin Research, Inc.*

Color Enhancement Filter
Improves color and contrast while eliminating screen flicker. Improves monitor appearance by producing black out appearance. Free brochure. $19.95 *Gladstone Productions*

FlickerFixer
Professional graphics enhancer uses de-interlacing and fits in the Amiga 2000 video slot. Removes the flicker in the interlace mode and the visible scan lines in the non-interlace mode of the A2000 display. Fully compatible and transparent to all user software. Does not modify standard Amiga video signals. NTSC video outputs may be used simultaneously with flickerFixer. Supports standard multiscanning and VGA monitors. Compatible with 4096 color HAM mode. $595.00 *MicroWay*



4-button puck
Input device for the graphics tablet. $50.00 *R & D L Productions*

NoRad dB60 Anti-glare/Static/Radiation Filter
Grounded filter reduces flicker in high-resolution or interlace mode. Grounded for full elimination of static and electromagnetic radiation. Won't attract dust or reflect light. Easy maintenance. $129.95 *Brookfield Communications*

PhotoSynthesis
Image processing system with over 40 operations. Useful for many applications including special video effects, image enhancement, low-cost inspection and education. Interpreted language supports functions like Arithmetic, Boolean, Relational, and Histogram. Also supports looping, conditionals, tests, recursions and script files. Flexible interface supports mouse or keyboard commands. $149.95 *Escape Sequence Inc.*

The Amiga Light Pen
2-button touch switch pen with transparent driver. Allows user to choose pen, mouse, or both for hi-res precision graphics. Operates in both interlace and non-interlace modes. When used with graphics programs, the Light Pen gives data entry the simplicity of pencil and paper for drawing, painting, and free-hand sketching on the computer, as well as the precision required for CAD. Dealer discounts available. $129.95 *Inkwell Systems*

•Hard Drives•

2090/2090A Hard Disk SCSI/Controller
Provides the interface between the Amiga 2000 and 2 ST506 compatible hard disks and up to 7 SCSI compatible disk devices. High-level command interpretation and exceptional handling. Mac Plus Hard Disk compatible; full autoconfig capability; full size Amiga card; connectors for 2 ST506-compatible hard disks, $399.95 *Commodore Business Machines*

20Mb Hard Drive
Includes controller card, drive cables, power supply, Seagate ST225 drive and drive cabinet identical to the Escort 2 chassis. $899.00 *Expansion Technologies*

20Mb Hard Drive (for Escort System 500)
Includes controller card, cables, power supply, and Seagate ST225 drive. For the Escort System 500 owner who wants to separately purchase own drive unit. Controller card accomodates two drives. $849.00 *Expansion Technologies*

40Mb Hard Drive
Includes controller card, drive cables, power supply, Seagate ST251 drive and drive cabinet identical to the Escort 2 chassis. $1399.00 *Expansion Technologies*

40Mb Hard Drive (for Escort System 500)
For the Escort System 500 owner who wants to purchase a drive unit separately. Includes controller card, cables, power supply, and Seagate 40mb ST251 drive. $1200.00 *Expansion Technologies*

506 Controller
Controller card for two ST 506 or IBM drives. Allows use of inexpensive hard drives on the Amiga. Fits in any A1000 card cage and includes card and power supply. $399.00 *Expansion Technologies*

A2000 fast DMA hard drive 20 MB
20 MB Hard drive. $895.00 *Computer Systems Associates*

A2000 fast DMA hard drive 40 MB
40 MB Hard drive. $1595.00 *Computer Systems Associates*

A2000 fast DMA hard drive 80 MB
80 MB Hard drive. $2495.00 *Computer Systems Associates*

ACB-4000
SCSI/ST-506 device controller allows any standard ST-506/412 hard drive to be used with any of C Ltd's SCSI Host Controllers. $149.95 *C Ltd.*

ACB-4070
SCSI/ST-506 RLL Device Controller allows any RLL certified ST-506/412 hard drive to be used with any of C Ltd's SCSI host/controllers. Used with a properly certified RLL Hard Drive mechanism will provide 50% more storage capacity than standard ST-506/412 type controllers like the Commodore 2090. $199.95 *C Ltd.*

Hardware

AM-10R/1000
Removable media disk drive for the A1000 includes SCSI host/controller, 10.5Mb disk drive. Features 85m/sec. avg. access time, built-in 16K R/W buffer. Uses standard (specially formatted and certified) 5.25 in. floppy disks (retail $20.00). Reads IBM 1.2 Meg and 360K formatted disks as well as its own 10.5 Meg format. Shipped with cables, formatted and tested. 10 megabytes of public domain and commercial demonstration programs included. $999.95 *C Ltd.*

AM-10R/2000I
Removable media disk drive for the A2000 includes SCSI host/controller, 10.5MB disk drive. It mounts internally in the 5.25 in. drive bay. Uses standard (specially formatted and certified) 5.25 in. floppy disks (retail $20.00). Reads IBM 1.2 Meg and 360K formatted disks as well as its own 10.5 Meg format. Shipped with cables, formatted and tested. 10 megabytes of public domain and commercial demonstration programs included. $799.95 *C Ltd.*

AM-10R/2000X
Removable media disk drive for the A2000 includes SCSI host/controller, 10.5MB disk drive. Features 85m/sec. avg. access time, built-in 16K R/W buffer. Uses standard (specially formatted and certified) 5.25 in. floppy disks (retail $20.00). Reads IBM 1.2 Meg and 360K formatted disks as well as its own 10.5 Meg format. Shipped with cables, formatted and tested. 10 megabytes of public domain and commercial demonstration programs included. $899.95 *C Ltd.*

AM-10R/500
Removable media disk drive for the A2000 includes SCSI host/controller, 10.5MB disk drive. Features 85m/sec. avg. access time, built-in 16K R/W buffer. Uses standard (specially formatted and certified) 5.25 in. floppy disks (retail $20.00) . Reads IBM 1.2 Meg and 360K formatted disks as well as its own 10.5 Meg format. Shipped with cables, formatted and tested. 10 megabytes of public domain and commercial demonstration programs included. $949.95 *C Ltd.*

AM-1308/1000
Hard disk drive for the A1000 includes SCSI host/controller, 1.308GB hard disk drive. Features 13m/sec. avg. access time, built-in 64K R/W buffer on the Hard Drive SCSI Controller, and fan-cooled metal enclosure with an internal power supply. Shipped with cables and fully formatted. Includes 10 megabytes of public domain and commercial programs installed. $7999.95 *C Ltd.*

AM-1308/2000X
Hard disk drive for the A2000 includes SCSI host/controller, 1.308GB hard disk drive. Features 13m/sec. avg. access time, built-in 64K R/W buffer on the Hard Drive SCSI Controller, and fan-cooled metal enclosure with an internal power supply. Shipped with cables and fully formatted. Includes 10 megabytes of public domain and commercial programs installed. $7899.95 *C Ltd.*

AM-1308/500
Hard disk drive for the A500 includes SCSI host/controller, 1.308Gb hard disk drive. Features 13m/sec. avg. access time, built-in 64K R/W buffer on the Hard Drive SCSI Controller, and fan-cooled metal enclosure with an internal power supply. Shipped with cables and fully formatted. Includes 10 megabytes of public domain and commercial programs installed. $7949.95 *C Ltd.*

AM-161/1000
Hard disk drive for the A1000 includes SCSI host/controller, 161.02MB hard disk drive. Features 18m/sec. avg. access time, built-in 16K R/W buffer on the hard Drive SCSI Controller, and fan cooled molded plastic enclosure with internal power supply. Shipped with cables and 10 megabytes of public domain and commercial demonstration programs installed. $2899.95 *C Ltd.*

AM-161/2000X
Hard disk drive for the A2000 includes SCSI host/controller, 161.02Mb hard disk drive. Features 18m/sec. avg. access time, built-in 16K R/W buffer on the hard Drive SCSI Controller, and fan cooled molded plastic enclosure with internal power supply. $2799.95 *C Ltd.*

AM-161/500
Hard disk drive for the A500 includes SCSI host/controller, 161.02Mb hard disk drive. Features 18m/sec. avg. access time, built-in 16K R/W buffer on the hard Drive SCSI Controller, and fan cooled molded plastic enclosure with internal power supply. $2849.95 *C Ltd.*

AM-21/2000I
Hard disk drive for the A2000 includes SCSI host/controller, 21.18MB hard disk drive. Features 85m/sec. avg. access time, built in 2KR/W buffer on the hard drive SCSI Controller. Shipped with cables and 10 megabytes of public domain and commercial demonstration programs installed. $699.95 C Ltd.

AM-24/1000
Hard disk drive for the A1000 includes SCSI host/controller, 23.85MB hard disk drive. Features 65m/sec. avg. access time, built-in 8K R/W buffer on the hard drive SCSI Controller, and fan-cooled molded plastic enclosure with internal power supply. Shipped with cables. Fully formatted, tested, with 10 megabytes of public domain and commercial demonstration programs installed. $999.95 *C Ltd.*

AM-24/2000I
Hard disk drive for the A2000 includes SCSI host/controller, 23.85MB hard disk drive. Features 65 m/sec.avg. access time, built-in R/W buffer on the hard drive SCSI Controller, and fan-cooled molded plastic enclosure with internal power supply. Shipped with cables. Fully formatted, tested, with 10 megabytes public domain and commercial demonstration programs installed. Mounts internally in the 5.25 drive bay. $799.95 *C Ltd.*

AM-24/2000X
Hard disk drive for the A2000 includes SCSI host/controller, 23.85MB hard disk drive. Features 65 m/sec. avg. access time, built-in R/W buffer on the hard drive SCSI Controller and fan-cooled molded plastic enclosure with internal power supply. Shipped with cables. Fully formatted, tested, with 10 megabytes public domain and commercial demonstration programs installed. $899.95 *C Ltd.*

AM-24/500
Hard disk drive for the A500 includes SCSI host/controller, 23.85Mb hard disk drive. Features 65 m/sec. avg. access time, built-in R/W buffer on the hard drive SCSI Controller, and fan-cooled molded plastic enclosure with internal power supply. Shipped with cables. Fully formatted, tested, with 10 megabytes public domain and commercial demonstration programs installed. $949.95 *C Ltd.*

AM-31/2000I
Hard disk drive for the A2000 includes SCSI host/controller, 31.77MB hard disk drive. Features 85m/sec. avg. access time, built-in 8K R/W buffer on the hard drive SCSI Controller. Shipped with cables, formatted and tested. 10 megabytes of public domain and commercial demonstrations installed. $899.95 *C Ltd.*

AM-332/1000
Hard disk drive for the Amiga 1000. Includes SCSI Host/Controller and 332.04 Megabyte hard drive. Features 18 m/sec. avg. access time, a built-in 16K R/W buffer on the hard drive SCSI Controller and a fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and demonstration programs installed $4499.95 *C Ltd.*

AM-332/2000X
Hard disk drive for the Amiga 2000. Includes SCSI Host/Contoller and 332.04 Megabyte hard drive. Features 18 m/sec. avg. access time, a built-in 16K R/W buffer on the hard drive SCSI Controller, and a fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and demonstration programs installed. $4399.95 *C Ltd.*

Hardware

AM-332/500
Hard disk drive for the Amiga 500. Includes SCSI Host/Contoller and 332.04 Megabyte hard drive. Features 18 m/sec. avg. access time, a built-in 16K R/W buffer on the hard drive SCSI Controller, and a fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and demonstration programs installed. $4449.95 *C Ltd.*

AM-34/1000
Hard disk drive for the A1000 includes SCSI host/controller, 34.45MB hard disk drive. Features 65m/sec. avg. access time, built-in 8K buffer on the hard drive SCSI Controller, and fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. $1249.95 *C Ltd.*

AM-34/2000I
Hard disk drive for the A2000 includes SCSI host/controller, 34.45MB hard disk drive. Features 65m/sec. avg. access time, built-in 8K buffer on the hard drive SCSI Controller, and fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. Mounts internally in the 5.25 in. drive bay. $999.95 *C Ltd.*

AM-34/2000X
Hard disk drive for the A2000 includes SCSI host/controller, 34.45MB hard disk drive. Features 65m/sec. avg. access time, built-in 8K buffer on the hard drive SCSI Controller and fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. $1149.95 *C Ltd.*

AM-34/500
Hard disk drive for the A500 includes SCSI host/controller, 34.45MB hard disk drive. Features 65m/sec. avg. access time, built-in 8K buffer on the hard drive SCSI Controller, and fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. $1199.95 *C Ltd.*

AM-51/1000
Hard disk drive for the A1000 includes SCSI host/controller, 51.68MB hard disk drive. Features 65 m/sec. avg. access time, a built-in 8K buffer on the hard drive SCSI Controller, and a fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. $1499.95 *C Ltd.*

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Hard disk drive for the A2000 includes SCSI host/controller, 51.68MB hard disk drive. Features 40 m/sec. avg. access time, a built-in 8K buffer on the hard drive SCSI controller. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. $1299.95 *C Ltd.*

AM-51/2000X
Hard disk drive for the A2000 includes SCSI host/controller, 51.68MB hard disk drive. Features 40 m/sec. avg. access time, a built-in 8K buffer on the hard drive SCSI controller. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. $1399.95 *C Ltd.*

AM-51/500
Hard disk drive for the A500 includes SCSI host/controller, 51.68MB hard disk drive. Features 65 m/sec. avg. access time, built-in 8K R/W buffer on the SCSI Controller, and fan-cooled plastic enclosure with internal power supply. Shipped with cables. $1449.95 *C Ltd.*

AM-60T/1000
Streaming tape back-up system for the A1000. Includes SCSI host/controller, 60Mb SCSI tape drive. Tape unit is molded plastic enclosure with internal power supply. Software provided allows back-up of multiple partitions to the same tape and will back-up or restore a 20 Meg parttion in less than 15 minutes. 30, 40, 50, and 60 Meg capacity tapes are available. $899.95 *C Ltd.*

AM-60T/2000I
Streaming tape back-up system for the A2000. Includes SCSI host/controller, 60Mb SCSI tape drive. Tape unit is molded plastic enclosure with internal power supply. Software provided allows back-up of multiple partitions to the same tape and will back-up or restore a 20 Meg partition in less than 15 minutes. 30, 40, 50, and 60 Meg capacity tapes are available. $699.95 *C Ltd.*

AM-60T/2000X
Streaming tape back-up system for the A2000. Includes SCSI host/controller, 60Mb SCSI tape drive. Tape unit is molded plastic enclosure with internal power supply. Software provided allows back-up of multiple partitions to the same tape and will back-up or restore a 20 Meg partion in less than 15 minutes. 30, 40, 50, and 60 Meg capacity tapes are available. $799.95 *C Ltd.*

AM-60T/500
Streaming tape back-up system for the A500. Includes SCSI host/controller, 60MB SCSI tape drive. Tape unit is molded plastic enclosure with internal power supply. Software

provided allows back-up of multiple partions to the same tape and will back-up or restore a 20 Meg partition in less than 15 minutes. 30, 40, 50, and 60 Meg capacity tapes are available. $849.95 *C Ltd.*

AM-65/1000
Hard disk drive for the A1000 includes SCSI host/controller, 65.50MB hard disk drive. Features 40m/sec. avg. access time, built-in 8K R/W buffer on the hard drive SCSI Controller, and a fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial programs installed. $1699.95 *C Ltd.*

AM-65/2000I
Hard disk drive for the A2000 includes SCSI host/controller, 65.50MB hard disk drive. Features 40m/sec. avg. access time, built-in 8K R/W buffer on the hard drive SCSI Controller, and a fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial programs installed. Mounts internally in the 5.25 in. drive bay. $1499.95 *C Ltd.*

AM-65/2000X
Hard disk drive for the A2000 includes SCSI host/controller, 65.50MB hard disk drive. Features 40m/sec. avg. access time, built-in 8K R/W buffer on the hard drive SCSI Controller, and a fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial programs installed. Mounts internally in the 5.25 in. drive bay. $1599.95 *C Ltd.*

AM-65/500
Hard disk drive for the A500 includes SCSI host/controller, 65.50MB hard disk drive. Features 40m/sec. avg. access time, built-in 8K R/W buffer on the hard drive SCSI Controller, and a fan-cooled molded plastic enclosure with internal power supply. Shipped with cables, fully formatted and tested. 10 Megabytes of public domain and commercial programs installed. Mounts internally in the 5.25 in. drive bay. $1649.95 *C Ltd.*

AM-71/2000I
Hard disk drive for the A2000 includes SCSI host/controller, 71.65MB hard disk drive. Features 28 m/sec. avg. access time, built-in 64K R/W buffer on the hard drive SCSI Controller. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. Mounts internally in the 3.5 in. drive bay. $1999.95 *C Ltd.*

AM-72/2000I
Hard disk drive for the A2000 includes SCSI host/controller, 72.06MB hard disk drive. Features 23 m/sec. avg. access time, built-in 64K R/W buffer on the hard drive SCSI Controller. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. Mounts internally in the 5.25 in. drive bay. $1999.95 *C Ltd.*

AM-75/1000
Hard disk drive for the A1000 includes SCSI host/controller, 75.35MB hard disk drive. Features 30 m/sec. avg. access time, built-in 64K R/W buffer on the hard drive SCSI Controller. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. 10 megabytes of public domain and commercial demonstration programs installed. $1899.95 *C Ltd.*

AM-75/500
Hard disk drive for the A500 includes SCSI host/controller, 75.35MB hard disk drive. Features 30 m/sec. avg. access time, built-in 64K R/W buffer on the hard drive SCSI Controller. Shipped with cables, fully formatted and tested. 10 megabytes of public domain and commercial demonstration programs installed. $1849.95 *C Ltd.*

AM-800W/1000
Removable media WORM (write once read many) optical disk drive system for the A1000. Includes SCSI host/controller, 801.63MB optical disk drive. Uses removable media floppy type disks with 400.81 Megabytes capacity on each side. Features built-in 16K R/W buffer. Uses 5.25" high density optical disks. (Retail $200.00 ea.) Shipped with cables, fully tested. Certified formatted disk included. $5999.95 *C Ltd.*

AM-800W/2000X
Removable media WORM (write once read many) optical disk drive system for the A1000. Includes SCSI host/controller, 801.63Mb optical disk drive. Uses removable media floppy type disks with 400.81 Megabytes capacity on each side. Features built-in 16K R/W buffer. Uses 5.25 in. high density optical disks. (Retail $200.00 ea.) Shipped with cables, fully tested. Certified formatted disk included. $5899.95 *C Ltd.*

Bernoulli 20B Disk Drive
Fast access time removable disk drive. Provides 21.4MB formatted storage through its life. Data archival storage, unlimited storage in up to 21.4 MB increments, 40ms. avg. access time, more. 20MB cartridge available for $99. A2000 $1695.00 *Inner Connection Inc.*

BN 1000
SCSI Bernoulli box for the A1000. $2995.00 *Comspec Communications*

DHA-20
20 megabyte fast DMA internal hard drive. $895.00 *CSA*

DHA-40
40 megabyte fast DMA internal hard drive. $1595.00 *CSA*

DHA-80
80 megabyte fast DMA internal hard drive. $2495.00 *CSA*

Escort 2 20Mb Hard Drive
Includes Escort 2 chassis, controller card, drive cables, power supply, Seagate ST225 drive, drive cabinet, zorro expansion slot. $999.00 *Expansion Technologies*

Escort 2 2MB Version
Two A1000 100-pin zorro slots. One slot contains the 2Mb RAM expansion card. Installs on the Amiga 86-pin bus. $599.00 *Expansion Technologies*

Escort 2 40MB Hard Drive
Includes Escort 2 chassis, controller card, drive cables, power supply, Seagate ST251 drive, drive cabinet, zorro expansion slot. $1499.00 *Expansion Technologies*

Fast/Tape
ST-40 is a Digital Streaming Tape System. 51 MB formatted capacity per cassette, four minute 20MB backup, 8 minute 40 MB backup. 86.3 KBYTE/SEC data transfer rate. Internal 7K buffer. One minute rewind. $650.00 *Xetec Inc*

Fastcard 20 Meg Hard Drive
An internal 20 meg hard drive for the AMIGA 2000 with auto-boot capability (with DOS 1.3) FFS compatible, utility programs included. $599.95 *Xetec Inc*

Fastrak 20 Meg Hard Drive System
Fully auto-boot with DOS 1.3 compatible with FFS and Xetec Fast File, high data transfer rates (read is greater than 300 Bytes/sec), 14 drives support with one host adaptor, many programs included, RAM expansion capability up to 8 MB using FASTRAM module. $749.00 *Xetec Inc*

Hardware

Fastrak 40 Meg Hard Drive System
Fully auto-boot with DOS 1.3 compatible with FFS and Xetec Fast File, high data transfer rates (read is greater than 300K bytes/sec), 14 drive support with one host adaptor, many utility programs included, RAM expansion capability up to 8 MB using FASTRAM module. $899.95 *Xetec Inc*

Fastrak 80 Meg Hard Drive System
Fully auto-boot, DOS 1.3, compatible with FFS and Xetec Fast File, high data transfer rates (read is greater than 300K bytes/sec). 14 drives support with one host adaptor, many utility programs include. RAM expansion capability up to 8 megabytes using Fastram module. Price unavailable. *Xetec Inc*

FIP 20
DMA hard drive sytem for the Amiga 1000. Custom silicon provides 1 to 1 sector interleaving, on board sector buffers, and a highly optimized instruction set. The system can control up to 4 ST 506/412 drives. Class B approved and available now. $995.00 *Mills Industries, Inc.*

Halfbac-40
40MB 5.25 internal tape streaming drive. Eliminates need to continually add hard drives. Mounts internally or externally in BacPac enclosure. $1595.00 *CSA*

Hard Disk Plus-30
Hard disk drive for A500, includes SCSI host/ controller. 30mb hard drive. Supports up to 14 drives. Optional 2mb RAM expansion available. Supports auto-boot, fast filing system and includes hard disk utilities including Partition and Backup programs. $899.95 *Synergy Peripheral Systems*

Hard Disk Plus-Custom
Hard disk drive for A500, includes host/ controller, custom installation and checkout of a customer requested hard drive. Supports up to 14 drives. Optional 1 MB RAM expansion available. Supports auto-boot, fast filing system and includes hard disk Price determined by size. *Synergy Peripheral Systems*

Hard Disk-CR(kit)
Hard disk kit for A500 includes SCSI host / controller, hard disk enclosure, power supply, cables, and software. User supplies an embedded SCSI, 3.5 inch, Seagate drive to create the lowest cost A500 hard disk system. Optional 2MB RAM expansion available. Supports auto-boot, fast filing system, and includes hard disk utilities including partition and backup programs. $319.95 *Synergy Peripheral Systems*

20MB Hard Drive
Comes complete with drive, SCSI host/ controller, full or half-height case, and one year warranty. $659.95 *Pioneer Computing*

40MB Hard Drive
Comes complete with drive, SCSI host/ controller, full or half-height case, and one year warranty. $879.95 *Pioneer Computing*

65MB Hard Drive
Comes complete with drive, SCSI host/ controller, full or half-height case, and one year warranty. $949.95 *Pioneer Computing*

Hard Drive 20Mb+
Hard drives for the Amiga with memory expansion slot. 20MB and up. 20MB with expansion. $695.00 *Comp-U-Save*

NetWorks! M90
NetWorks! M90 features a high performance Miropolis 90 megabyte hard drive, matching SCSI controller, cables, and software. Additional special features include an average access time of 16ms to 18ms, integral 64KB disk cache buffer, and proprietary high performance SCSI module. Each drive/ controller combination is thoroughly tested before shipment. Available March 1989. $1795.00 *NetWork Guidance*/AM

NetWorks! M150
NetWorks! M150 features a high performance Miropolis 150 megabyte hard drive, matching SCSI controller, cables, and software. Additional special features include an average access time of 16ms to 18ms, integral 64Kb disk cache buffer, and proprietary high performance SCSI module. Each drive/ controller combination is thoroughly tested before shipment. Available March 1989. $2295.00 *NetWork Guidance*/AM

NetWorks! M320
NetWorks! M320 features a high performance Miropolis 320 megabyte hard drive, matching SCSI controller, cables, and software. Additional special features include an average access time of 16ms to 18ms, integral 64Kb disk cache buffer, and proprietary high performance SCSI module. Each drive/ controller combination is thoroughly tested before shipment. Available March 1989. $2795.00 *NetWork Guidance*/AM

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Welcome

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Wilkommen in der erstaunlichen Welt von Amazing Computing™ - eine von Amerikas führenden Zeitschriften für Commodore Amiga Benützer. Amazing Computing™ war die erste Zeitschrift, die über das CLI berichtete, die erste Zeitschrift mit 1 Meg Amiga Hardware Projekt Verbesserung und die erste Zeitschrift, die seriöse Programmhilfsassistenz anbot.

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Hardware

Over Drive
Can be used in the A2000 or expansion chassis for the A1000 and A500. Drives may be partitioned into smaller segments and may be used with a Bridgecard. Supports up to 7 devices. $249.00 *Pacific Peripherals*

PCC
SCSI hard disk controller card for A1000 and A500. $180.00 *Phoenix Electronics, Inc.*

PHC-2000
Hard card-type SCSI for the A2000. 20MB. $499.00 *Phoenix Electronics, Inc.*

PHC-2000
Hard card-type SCSI for the A2000. 30MB. $599.00 *Phoenix Electronics, Inc.*

PHC-2000
Hard card-type SCSI for the A2000. 40MB. $699.00 *Phoenix Electronics, Inc.*

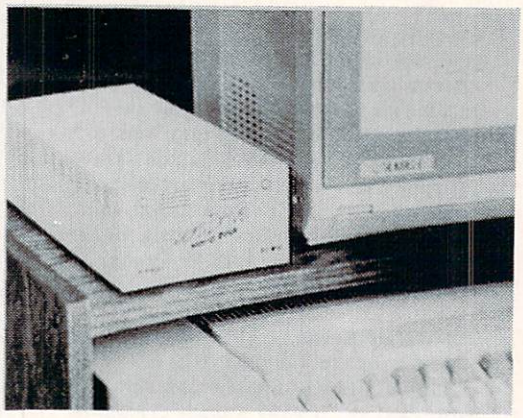
PHD 20
20MB hard drive for the A500 and A1000. With SCSI interface, 3.5 form factor, internal power supply. PHD 20. $624.00 *Phoenix Electronics, Inc.*

PHD 40
40MB hard drive for the A500 and A1000. With SCSI interface, 3.5 form factor, internal power supply. PHD 40. $900.00 *Phoenix Electronics, Inc.*

PHD-1000
Hard disk drive features SCSI interface command set, pass-through, auto configuration, internal power supply with capability for RAM card additions. Pre-formatted drive with demo and public domain software. Data transfer at 4 mb/sec, average access time 35 milliseconds. Circuit breaker and on/off switch. Benchmark results available. 40MB, $1400.00 *Phoenix Electronics, Inc.*

PHD-1000
Hard disk drive features SCSI interface command set, pass-through, auto configuration, internal power supply with capability for RAM card additions. Pre-formatted drive with demo and public domain software. Data transfer at 4MB/sec, average access time 35 milliseconds. Circuit breaker and on/off switch. Benchmark results available. 20 MB. $899.00 *Phoenix Electronics, Inc.*

PHD-1000
Hard disk drive features SCSI interface command set, pass-through, auto configuration, internal power supply with capability for RAM card additions. Pre-formatted drive with demo and public domain software. Data transfer at 4 MB/sec, average access time 35 milliseconds. Circuit



breaker and on/off switch. Benchmark results available. 60MB. $1500.00 *Phoenix Electronics, Inc.*

SCI-10R
10.5MB removable media disk drive system to be added to the 5.25 drive bay of an A2000 with a SCSI host. Uses standard (specially formatted and certified) 5.25 in. floppy disks. Reads IBM 1.2 Meg and 360K formatted disks in addition to its own 10.5 Meg format. Shipped with cables, fully formatted and tested. Certified, formatted disk with 10 Megabytes of public domain and commercial demonstration programs included. $699.95 *C Ltd.*

SCI-21
Hard disk drive subsystem for the A2000 can be mounted in the 3.5 drive bay. Requires SCSI host/controller. Includes a 21.18 MB hard disk drive, featuring 85 m/sec. avg. access time, built-in 8K R/W buffer on the SCSI controller. Shipped with cables, fully tested and formatted. Includes 10 megabytes of public domain and commercial demonstration programs. $599.95 *C Ltd.*

SCI-24
Hard disk drive subsystem for the A2000 can be mounted in the 5.25 drive bay. Requires SCSI host/controller. Includes a 23.85 MB hard disk drive, featuring 65 m/sec. avg. access time, built-in 8K R/W buffer on the SCSI controller. Shipped with cables, fully tested and formatted. Includes 10 megabytes of public domain and commercial demonstration programs. $549.95 *C Ltd.*

SCI-31
Hard disk drive subsystem for the A2000 can be mounted in the 3.5 drive bay. Requires SCSI host/controller. Includes a 31.77 MB hard disk drive, featuring 85 m/sec. avg. access time, built-in 8K R/W buffer on the SCSI controller. Shipped with cables, fully tested and formatted. Includes 10 megabytes of public domain and commercial demonstration programs. $499.95 *C Ltd.*

SCI-34
Hard disk drive subsystem for the A2000 can be mounted in the 5.25 drive bay. Requires SCSI host/controller. Includes a 34.45 MB hard disk drive, featuring 65 m/sec. avg. access time, built-in 8K R/W buffer on the SCSI controller. Shipped with cables, fully tested and formatted. Includes 10 megabytes of public domain and commercial demonstration programs. $599.95 *C Ltd.*

SCI-51
Hard disk drive subsystem for the A2000 can be mounted in the 5.25 drive bay. Requires SCSI host/controller. Includes a 51.68 MB hard disk drive, featuring 65 m/sec. avg. access time, built-in 8K R/W buffer on the SCSI controller. Shipped with cables, fully tested and formatted. Includes 10 megabytes of public domain and commercial demonstration programs. $899.95 *C Ltd.*

SCI-60T
Streaming tape back-up subsystem for the A2000 can be mounted in the 5.25 drive bay. Tape drive requires a SCSI host/controller. Tape drive is a 60 megabyte SCSI device. Ready to be mounted internally in the 5.25" drive bay. Software allows back-up of multiple partitions to same tape. Backs-up or restores 20 Meg partition in less than 15 minutes. 30, 40, 50, and 60 Meg tapes available. $599.95 *C Ltd.*

SCI-65
Hard disk drive subsystem for the A2000 can be mounted in the 5.25 drive bay. Requires SCSI host/controller. Includes a 65.50 MB hard disk drive, featuring 40 m/sec. avg. access time, built-in 8K R/W buffer on the SCSI controller. Shipped with cables, fully tested and formatted. Includes 10 megabytes of public domain and commercial demonstration programs. $1399.95 *C Ltd.*

SCI-71
Hard disk drive subsystem for the A2000 can be mounted in the 3.5 drive bay. Requires SCSI host/controller. Includes a 71.65MB hard disk drive, featuring 23 m/sec. avg. access time, built-in 64K R/W buffer on the SCSI controller. Shipped with cables, fully tested and formatted. Includes 10 megabytes of public domain and commercial demonstration programs. $1899.95 *C Ltd.*

SCI-72
Hard disk drive subsystem for the A2000 can be mounted in the 5.25 drive bay. Requires SCSI host/controller. Includes a 72.05MB hard disk drive, featuring 23 m/sec. avg. access time, built-in 64K R/W buffer on the SCSI controller. Shipped with cables, fully tested and formatted. Includes 10 megabytes of public domain and commercial demonstration programs. $1899.95 *C Ltd.*

Hardware

SCSI Host 2000
SCSI controller for the A2000 features auto-configuration, auto-boot from hard disk, supports fast filing system, includes software. 3.5 inch slimline hard drive can be mounted on the board. $179.95 *Synergy Peripheral Systems*

SCX-10R
10.5MB 85 m/sec. Removable media disk drive. Can be added to any Amiga with a compatible SCSI host/controller. Uses standard (but specially formatted and certified) 5.25 floppy disks. Reads IBM 1.2 Meg and 360K formatted disks in addition to its own 10.5 Meg format. Shipped with cables, metal enclosure, and internal power supply. Fully tested. Includes formatted disk with 10 megabytes of public domain and commercial demonstration programs. $799.95 *C Ltd.*

SCX-1308
External hard drive subsystem includes 1.308GB hard disk drive, featuring 13 m/sec. avg. access time, built-in 64K R/W buffer on the SCSI controller, and fan-cooled metal enclosure with internal power supply. Shipped with cables, fully formatted and tested. Includes 10 megabytes of public domain and commercial demonstration programs. $7799.95 *C Ltd.*

SCX-161
External hard drive subsystem includes 161.02MB hard disk drive, featuring 18 m/sec. avg. access time, built-in 16K buffer on the SCSI controller, and fan-cooled metal enclosure with internal power supply. Shipped with cables, fully formatted and tested. Includes 10 megabytes of public domain and commercial demonstration programs. $2699.95 *C Ltd.*

SCX-24
External hard drive subsystem includes 23.85MB hard disk drive, featuring 65m/sec. avg. access time, built-in buffer on the SCSI controller, and fan-cooled metal enclosure with internal power supply. Shipped with cables, fully formatted and tested. Includes 10 megabytes of public domain and commercial demonstration programs. $799.95 *C Ltd.*

SCX-332
External hard drive subsystem includes 332.04MB hard disk drive, featuring 18m/sec. avg. access time, built-in R/W buffer on the hard drive SCSI controller and fan-cooled metal enclosure with internal power supply. Shipped with cables, fully tested and formatted. Includes 10 megabytes of public domain and commercial programs. $4299.95 *C Ltd.*

SCX-34
External hard drive subsystem. Includes 34.45MB hard disk drive featuring 65 m/sec. avg. access time, built-in 8K R/W buffer on the hard drive SCSI. Fan-cooled metal enclosure with internal power supply. Shipped with cables, fully formatted and tested. Includes 10 megabytes of public domain and commercial demonstration software. $1049.95 *C Ltd.*

SCX-51
External hard drive subsystem. Includes 51.68 MB hard disk drive featuring 65 m/sec. avg. access time, built-in 8K R/W buffer on the hard drive SCSI. Fan-cooled metal enclosure with internal power supply. Shipped with cables, fully formatted and tested. Includes 10 megabytes of public domain and commercial demonstration software. $1299.95 *C Ltd.*

SCX-60T
Streaming tape back-up subsystem includes a 60MB SCSI tape drive with an internal power supply. Allows back-up of multiple partitions to the same tape. Will back-up or restore a 20 Meg partition in less than 15 minutes. 30, 40, 50, and 60 Meg tapes available. $699.95 *C Ltd.*

SCX-65
External hard drive subsystem. Includes 65.50 MB hard disk drive featuring 40 m/sec. avg. access time, built-in 8K R/W buffer on the hard drive SCSI. Fan-cooled metal enclosure with internal power supply. Shipped with cables, fully formatted and tested. Includes 10 megabytes of public domain and commercial demonstration software. $1499.95 *C Ltd.*

SCX-800W
800MB removable media WORM (write once read many) optical disk drive includes an 801.63 MB drive and uses removable media floppy disks. Features built-in 16K R/W buffer and molded plastic case with internal power supply. Uses specially prepared 5.25" high density optical compact disks. (Retail $200.00 each.) Shipped with cables, fully tested. Includes certified, formatted disk. $5799.95 *C Ltd.*

SD 20
20 MB hard disk drive for the Amiga. $1399 *Comspec Communications*

SD 40
40 MB hard disk drive for the Amiga. $1799 *Comspec Communications*

SD 60
60 MB hard disk drive for the Amiga. $1999 *Comspec Communications*

SDC
Secure data cartridge hard drive option. $995.00 *CSA*

Willkommen

Bienvenue

Welcome

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Bienvenue au monde stupéfiant de Amazing Computing™ - un des magazines les plus importants pour les utilisateurs du Commodore Amiga aux Etats-Unis. Amazing Computing™ fut le premier magazine à documenter CLI, le premier magazine avec une 1 Meg Amiga augmentation, et le premier magazine à offrir une assistance serieuse de programmation.

Ne niez pas votre grand public qui parle anglais du genre de magazine qui leur fournira toutes les informations nécessaires sur l'Amiga. Venez et devenez membre de notre monde stupéfiant comme marchand ou annonceur.

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Hardware

SS-20 Fixed Drive
20MB fixed drive system includes 20MB 3.5 Winchester disk drive, interface cable, driver software. $995.00 *Second Source Systems Inc.*

StarDrive Module
An alternative to the MultiFunction module. Pseudo-DMA access to Macintosh compatible SCSI drives and other 3rd party SCSI devices. Fast, easy to install including driver software and disk diagnostics. Also includes battery backed clock to set your system time on boot-up. $129.95 *MicroBotics, Inc.*

Supra Drive for A2000
Hard disk drive includes full DMA support, ROM socket, CLImate, optional SCSI expansion port, more. 60MB. $1599.00 *Supra Corporation*

Supra Drive for A2000
Hard disk drive includes full DMA support, ROM socket, CLImate, optional SCSI expansion port, more. 20MB. $799.00 *Supra Corporation*

Supra Drive for A2000
Hard disk drive includes full DMA support, ROM socket, CLImate, optional SCSI expansion port, more. 30MB. $899.00 *Supra Corporation*

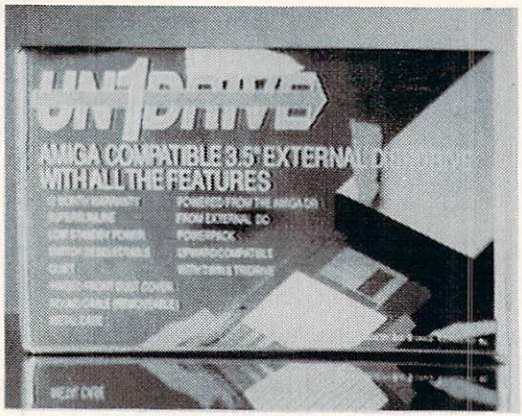
Supra Drive for A500 and A1000
Hard disk drive includes formatting and utilities software, SCSI expansion port, RAM expansion capability, more. 30MB. $995.00 *Supra Corporation*

Supra Drive for A500 and A1000
Hard disk drive includes formatting and utilities software, SCSI expansion port, RAM expansion capability, more. 20MB. $799.00 *Supra Corporation*

Supra Drive for A500 and A1000
Hard disk drive includes formatting and utilities software, SCSI expansion port, RAM expansion capability, more. 250MB. $3995.00 *Supra Corporation*

Supra Drive for A500 and A1000
Hard disk drive includes formatting and utilities software, SCSI expansion port, RAM expansion capability, more. 45MB. $1195.00 *Supra Corporation*

Supra Drive for A500 and A1000
Hard disk drive includes formatting and utilities software, SCSI expansion port, RAM expansion capability, more. 60MB. $1795.00 *Supra Corporation*



The Wedge
Affordable Amiga hard drives. The Wedge allows you to use low-cost IBM hard drives on the A500 and A1000. Requires DTC 5150 or 5160 controller card. Complete hard drive systems and component parts available. $185.00 *RSI*

Tiny Tiger 20Meg
65ms external 20Meg hard drive for the entire Amiga family. Connected via the parallel interface, this drive offers a transfer rate of 500K per second. Every drive is shipped with Ultra DOS™ by Free Spirit Software Inc. $599.00 *M.A.S.T. (Memory And Storage Technology, Inc.)*

Tiny Tiger 30Meg
40ms external 30Meg hard drive for the entire Amiga family. Connected via the parallel interface, this drive offers a transfer rate of 500K per second. Every drive is shipped with Ultra DOS™ by Free Spirit Software Inc. $659.00 *M.A.S.T. (Memory And Storage Technology, Inc.)*

Tiny Tiger 40Meg
28ms external 40Meg hard drive for the entire Amiga family. Connected via the parallel interface, this drive offers a transfer rate of 500K per second. Every drive is shipped with Ultra DOS™ by Free Spirit Software Inc. $849.00 *M.A.S.T. (Memory And Storage Technology, Inc.)*

Tiny Tiger 50Meg
40ms external 50Meg hard drive for the entire Amiga family. Connected via the parallel interface, this drive offers a transfer rate of 500K per second. Every drive is shipped with Ultra DOS™ by Free Spirit Software Inc. $799.00 *M.A.S.T. (Memory And Storage Technology, Inc.)*

Tiny Tiger 80Meg
12ms external 80Meg hard drive for the entire Amiga family. Connected via the parallel interface, this drive offers a transfer rate of 500K per second. Every drive is shipped with Ultra DOS™ by Free Spirit Software Inc. $1199.00 *M.A.S.T. (Memory And Storage Technology, Inc.)*

Tiny Tiger 180Meg
18ms external 180Meg hard drive for the entire Amiga family. Connected via the parallel interface, this drive offers a transfer rate of 500K per second. Every drive is shipped with Ultra DOS™ by Free Spirit Software Inc. $1595.00 *M.A.S.T. (Memory And Storage Technology, Inc.)*

WORM-800
800 megabyte optical laser disk drive. $5995.00 *CSA*

•Hard Drive Interfaces•

Blinky™ SCSI device monitor
Monitors SCSI communications bus and tells you when your Amiga talks to hard drive, tape back-up system, Bernouli box, or any SCSI device hooked to computer. Also tells you when conversations take place between various devices on the SCSI bus. LED indicators not only let you know which of your SCSI devices are communicating, but also when they are active. $74.95 *Computer Systems Associates*

Disk Mechanic
Disk accelerator compacts the data on your disks to increase disk access speed without using extra memory. Includes Tune-Up and file recovery programs, hard disk back-up program, and full-featured disk sector editor. Requires Kickstart 1.2 and at least 512K. $89.95 *Kurta*

HardFrame/2000
Hi-end SCSI interface supports up to 7 devices and operates at bus speeds. Cable pinouts designed for compatibility with low-cost MacIntosh hard drives. Features word length data transfer, FIFO buffering, true DMA, mounted on a metal frame. $329.00 *MicroBotics, Inc.*

IMPACT A2000-SCSI/RAM Hard Disk Controller
AUTOBOOT feature allows the A2000 to boot directly from a hard disk. Also available with 1MB FAST RAM. 512K. $495.00 *Great Valley Products Inc.*

Interface ESDI Model 1350
Compatible with the Commodore Host Controller, C-LTD Host Controller and others Model 1350. Capacity 85-170 MB 23 m/sec. $1490.00-1690.00 *Micropolis Corporation*

Hardware

Interface ESDI Model 1558-15
Compatible with the Commodore Host Controller, C-LTD Host Controller and others. Model 1558-15. Capacity 382 MB, 18 m/sec. $2820.00 *Micropolis Corporation*

Interface ESDI Model 1650
Compatible with the Commodore Host Controller, C-LTD Host Controller and others. Model 1650, Capacity 104-182 MB, 16 m/sec. $1695.00 *Micropolis Corporation*

Interface SCSI Model 1370
Compatible with the Commodore Host Controller, C-LTD Host Controller and others. Model 1370. Capacity 85-170MB, 23 m/sec. $1670.00-1875.00 *Micropolis Corporation*

Interface SCSI Model 1578-15
Compatible with the Commodore Host Controller, C-LTD Host Controller and others. Model 1578-15. Capacity 382 MB, 18 m/sec $2820.00 *Micropolis Corporation*

Interface SCSI Model 1670
Compatible with the Commodore Host Controller, C-LTD Host Controller and others. Model 1670. Capacity 104-182 MB, 16 m/sec. $1695.00 *Micropolis Corporation*

Interface ST-506 Model 1320
Compatible with the Commodore Host Controller, C-LTD Host Controller and others. Model 1320. Capacity 42-85 MB, 28 m/sec. $799.00-1180.00 *Micropolis Corporation*

SCSI Controller
SCSI controller with software for any Amiga. Price unavailable. *Computer Expansion Products, Inc.*

SCSI interface card
Comes complete with CSA's own Direct Memory Access (DMA) software. Uses faster access capability of CSA's 20, 40, and 80 MB hard drives. Interfaces to Bernouli Box with removable 20 MB hard drive cartridges, CSA tape streaming back-up systems, and WORM optical drives. $595.00 *Computer Systems Associates*

SCSI-1000
Utilizes TRUE ANSI standard SCSI protocol. Capable of interfacing with a wide variety of SCSI devices including all brands of fixed and removable hard drives, tape drives, scanners, printers, and other SCSI equipped computers. Includes full complement of formatting, diagnostic and disk repair utilities. SCSInet 2.03 software and networking instructions also included. $299.95 *C Ltd.*

SCSI-1035
SCSI interface controller card. $595.00 *CSA*

SCSI-2000
Zorro-standard 100-pin-bus full-slot device that provides an internal SCSI connector and external DB-25 connector. Includes SCSInet 2.03 software. $199.95 *C Ltd.*

SCSI 2000 Lightning Five
A SCSI interface and RAM combination which connects the A2000 to any SCSI device and provides a transfer rate of 4Meg per second. The unit is sold with zero RAM, but may be populated to 4Meg. $395.00 *M.A.S.T. (Memory And Storage Technology, Inc.)*

SCSI-2506M
Provides the same features as the SCSI 2000, plus MFM support for two ST-506/412 hard drives. Provides internal connections for SCSI devices and internal connections for up to two ST 506/412 devices. External DB-25 type connector provided to support additional external SCSI devices. $369.95 *C Ltd.*

SCSI-2506R
Provides the same features as the SCSI 2000, plus RLL support for two RLL STT-506/412 hard drives. Provides internal connections for SCSI devices as well as internal connections for up to two RLL ST 506/412 devices. External DB-25 type connector provided to support addtional external SCSI devices. $399.95 *C Ltd.*

SCSI-500
Features full auto configuration, buss pass-through, three-source power supply option, and SCSInet 2.03 software. $249.95 *C Ltd.*

Supra SCSI Interface
SCSI interface board allows hard disks to be connected to A500s and A1000s. Includes built-in clock, RAM expansion capability. $199.00 *Supra Corporation*

•Amiga Interfaces•

64 Emulator
Turn your Amiga into a Commodore 64. Optional interface cable lets you use any Commodore 64 disk drive or printer. $39.95; With cable $59.95 *ReadySoft Inc.*

Access-64
Adapter with software allows Amiga to access Commodore 64 and 128 serial drives and printers. No new commands to learn; just plug in your peripherals and use as usual. Transfer C64 and C128 files to the Amiga. $79.95 *Progressive Peripherals & Software*

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Welcome to the amazing world of Amazing Computing™ - one of America's leading magazines for Commodore Amiga users. Amazing Computing™ was the first magazine to document CLI, the first magazine with a 1 Meg Amiga upgrade hardware project, and the first magazine to offer serious programming assistance.

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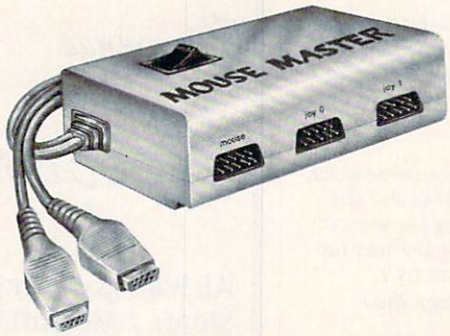

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AE2000 Ethernet
Ethernet LAN controller for the A2000 includes NFS software package. Provides connectivity to many UNIX machines. $899.00 *Ameristar Technologies, Inc.*

AMy-LAB
Data acquisition system; plug-in card for the A2000. $799.00 *Akron System Development*

Command Control Console
A switching console designed to interface and control digitzing equipment and two printers. Allows a second computer to utilize all devices. Free brochure. Price unavailable. *Gladstone Productions*

Microshare MCS 1050
Amiga-to-IEEE 488 interface. $135.00 *Comspec Communications*

Serial Expander 2000
Adds an A1000 compatible serial port to the A2000. For users who have upgraded from the A1000 to the A2000. Lets you use serial devices designed for the A1000 on the A2000. $19.95 *Golden Hawk Technology*

SPX-GPIB
Complete IEEE 488 controller on an IEEE 959 module. Handles all IEEE 488 1975/1978 functions and the IEEE 488A 1980 supplement. Supports all talker/listener/controller functions including multiple functions and passing with passing of control. $199.00 *ASDG Inc.*

The Fix: Parallel
Compatibility interface: Parallel Fix. $39.95 *DATASOUND*

The Fix: RGB
Compatibility interface: RGB Fix. $49.95 *DATASOUND*

The Fix: Serial
Compatibility interface: Serial Fix. $39.95 *DATASOUND*

Twin-X General Purpose I/O Board
Full Zorro II Amiga compatible Amiga expansion card that hosts two standard IEEE 959 modules or one double-wide IEEE 959 module. The Twin-X is completely standard IEEE 959 host. Gives the Amiga access into applications it was previously denied access to. Can be used with any of the hundreds of IEEE 959 modules avaliable. $329.00 *ASDG*

ACDA Thermographics V1.24
Quantitative Thermography package acquires, analyzes and presents medical thermographic data. Performs lumbar spine, cervical spine, and cephalic exams, as well as user-defined exams. All data stored on diskettes or videotape for long term backup. Price unavailable. *ACDA Corporation*

2 MB RAM Expansion
2 MB RAM expansion board for use with the Synergy Peripheral systems SCSI host/hard disk interface for the A500. Zero wait states, auto-configuring and does NOT use power from the A500. Uses 256K x 1 DRAMS $269.95 *Synergy Peripheral Systems*

2M
A full Zorro I memory board. Can contain up to 2MB of memory. Includes ASDG Recoverable RAM Disk, comprehensive diagnostics, full manual, and 18 month warranty. $599 with 2MB installed; $399 with OMb. *ASDG Inc.*

•Memory Expansions•

A2058 Mb RAM Expander
Two megabyte RAM expansion for the A2000 expandable to 8 megabytes. $799.00 *Commodore Business Machines*

2mega1
O to 2MB RAM board for the A1000. Price unavailable. *Computer Expansion Products, Inc.*

2mega2
O to 2Mb RAM board for the A2000. Price unavailable. *Computer Expansion Products, Inc.*

2mega5
O to 2MB RAM board for the A500. Price unavailable. *Computer Expansion Products, Inc.*

2MI
Full Zorro II memory board can contain up to 2Mb of memory. Can also be used with a A1000 and A500 with card rack. $399.00 *ASDG Inc.*

32-bit Memory Expansion Board
Optional memory board for the Hurricane, containing up to 4MB of 32-bit dynamic RAM for even faster performance. Programs execute three times faster than in standard Amiga. Works with any memory you may have on your Amiga. $595.00 *Ronin Research & Development, Inc.*

32-bit Memory Expansion Board 2MB
Optional memory board for the Hurricane, containing up to 4MB of 32-bit dynamic RAM for even faster performance. Programs execute three times faster than in standard Amiga. Works with any memory you may have on your Amiga. $1267.00 *Ronin Research & Development, Inc.*

Hardware

32-bit Memory Expansion Board 4MB
Optional memory board for the Hurricane, containing up to 4MB of 32-bit dynamic RAM for even faster performance. Programs execute three times faster than in standard Amiga. Works with any memory you may have on your Amiga. $1939.00 *Ronin Research & Development, Inc.*

5-Power/2000
8MB of memory and I/O. $279.00 *MicroBotics, Inc.*

512K5
O to 512K RAM board with clock for the A500. Price unavailable. *Computer Expansion Products, Inc.*

8-UP! Fast RAM
Fast RAM card gives you 8MB of auto configuration space. Use PopSimm, Microbotics's own memory module to allow users to install their own conventional DIP-style DRAM in standard SIMM sockets on 8-UP. 256K PopSimms allows two MB on 8-UP; 1megPopSimms allows 8MB on one card. Either case allows users to install memory chips themselves, allowing maximum flexibility and minimum cost. Power efficient, zero wait state, autoconfiguring design. $199+ *MicroBotics, Inc.*

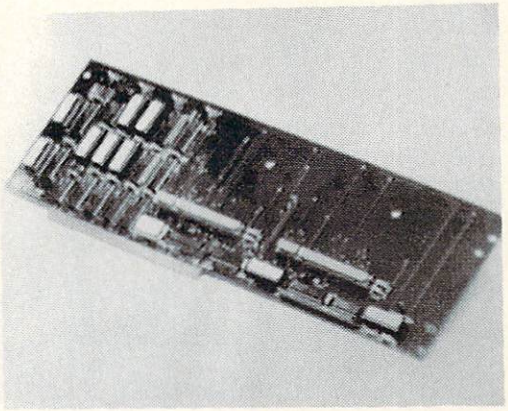
8M
A full Zorro I memory board. Can contain up to 8MB of memory. Includes ASDG recoverable RAM Disk, comprehensive diagnostics, full manual, 18 month warranty. No wait states. With 8MB installed, $2599.00; 6MB, $2099.00; 4MB, $1549.00; 2MB, $999.00; OMB, $499.00 *ASDG Inc.*

8mega1
2 to 8MB RAM board for the A1000. Price unavailable. *Computer Expansion Products, Inc.*

8mega2
O to 8MB RAM board for the A2000. Price unavailable. *Computer Expansion Products, Inc.*

8MI
Full Zorro II memory board with many extras. Supports 2, 4, 6, 8, megabytes. No tools needed to upgrade. Autoconfigurable. No wait states. Includes ASDG Recoverable RAM disk, comprehensive diagnostics, full manual, memory chip buyers guide and 18 month warranty. With 8MB, $2500.00; 6MB, $2099.00; 4MB, $1549.00; 2MB, $999.00; OMB $499.00 *ASDG Inc.*

Alegra
Compact memory expansion unit for the A1000. 2MB. $699.00 *Access Associates*



aMEGA Board
Populated 1MB RAM expansion for the A1000 features auto configuration with AmigaDOS 1.2 and buss pass-thru. Built on aircraft quality four layer fiberglass circuit board using 256K DRAM chips. Includes software to configure board with AmigaDOS 1.1. $499.95 *C Ltd.*

aMEGA Board-U
Unpopulated 1MB RAM expansion for the A1000. Fully tested with RAM chips installed prior to shipment. Features standard auto configuration with AmigaDOS 1.2 and Bus pass-thru. Built on aircraft quality fiberglass circuit board and requires addition of 32 standard 256K DRAM chips. Includes software to configure board for use with AmigaDOS 1.1. $299.95 *C Ltd.*

Amiga 1000 Memory Expansion Board
2MB memory expansion card with DRAM. Continuous refresh, pass-through, interconnect card, external power supply. $600.00 *Micron Technology, Inc.*

Amiga 1050 512K Expansion
Double the memory on your Amiga to 512K in seconds with this 256K Memeory Expansion Cartridge. Installs easily behind a panel that snaps off the front of the Amiga. Allows users to use the more sophisticated program that requires more memory. No switch setting; the Amiga automatically adjusts to the presence of the additional memory. $199.95 *Commodore Business Machines*

Amiga 1050 Memory Expansion Cartridge
256KB memory expansion cartridge. Easily installed behind a panel that snaps off the A500's front, the 1050 allows users to use more sophisticated programs requiring more memory. No switch setting; the Amiga automatically adjusts to the additional memory. Price unavailable. *Commodore Business Machines*

Amiga 2000 Memory Expansion Board
2MB memory expansion card, populated with DRAM. Continuous refresh, pass-through, interconnect card, external power supply. $495.00 *Micron Technology, Inc.*

Amiga 2MB Expansion for A1000
2MB memory expansion. Includes pass-through, auto-configuration, and virtual disk software that is protected from boot. Different configurations available for each Amiga model. $500.00 *Alphanetics*

Amiga 2MB Expansion for A2000
2MB memory expansion. Includes pass-through, auto-configuration, and virtual disk software that is protected from boot. Different configurations available for each Amiga model. $500.00 *Alphanetics*

Amiga 2Mb Expansion for A500
2MB memory expansion. Includes pass-through, auto-configuration, and virtual disk software that is protected from boot. Different configurations available for each Amiga model. $500.00 *Alphanetics*

Amiga 500 Memory Expansion Board
2MB memory expansion card, populated with DRAM. Continuous refresh, pass-through, interconnect card, external power supply. $600.00 *Micron Technology, Inc.*

Ammeg I
A1000 1MB external memory expansion. Zero wait state design, auto-configuration under 1.2. Fully populated board also available. OK board. $153.95 *Kline-Tronics*

AUTOBOOT/FAST RAM Expansion Cards
Optional RAM modules with AUTOBOOT for IMPACT A500-HD/RAM subsystem. Also available with 2MB. 512K, $245.00; 1MB, $445.00 *Great Valley Products Inc.*

AX 1000/AX 2000 RAM Board
RAM board for the A1000, available in 1 and 2 MB versions. $749+ *Comspec Communications*

Byte Box
Expands the Amiga's memory to 2MB. Has own power supply. Unpopulated, $299.95; 512K, $399.95; 1MB, $499.95; 2MB, $699.95 *Byte by Byte*

DRAM-256-1M
1MB dynamic RAM for the MEM-1139. $595.00 *CSA*

EXP-1000
1MB RAM expansion for the A500. Fully utilizes memory-intensive programs and multi-tasking abilities. Auto configures, no jumpers needed. Totally transparent. Easy installation. $399.95 *Progressive Peripherals & Software*

Hardware

EXP-512
512K RAM expansion for the A500. Battery-backed clock/calender, easy installation, efficient design. $169.95 *Progressive Peripherals & Software*

EXP-8000+
8Mb RAM expansion for the A500. Comes with 2Mb RAM on board; expandable to 8 MB. Optional 68010 processor and 68881 math processor. Easy installation, no jumpers, auto-configures. Fits inside the A500. Price unavailable. *Progressive Peripherals & Software*

FastPac™ A2000 32 bit SRAM boards
Utilize up to 1.5 MB of fast, reliable static memory chips. FastPac boards also feature Kickstart 1.2.2 in high-speed ROM; and are designed to avoid fresh conflict problems which could slow down system speed. Interface directly to CSA's proprietary V-Bus CSA's 32 bit 14MHz SRAM boards operate at twice the frequency of the Amiga's internal memory and out-perform 16 bit 7MHz RAM by as much as 200%. $1295.00 *Computer Systems Associates*

Fastram
Fast RAM module for Fastrak™ SA-5 interface allowing expansion to 500K using 256K Dram, 2 meg using 1 meg DRAM and 8 meg using 4 meg DRAM. Price unavailable. *Xetec Inc.*

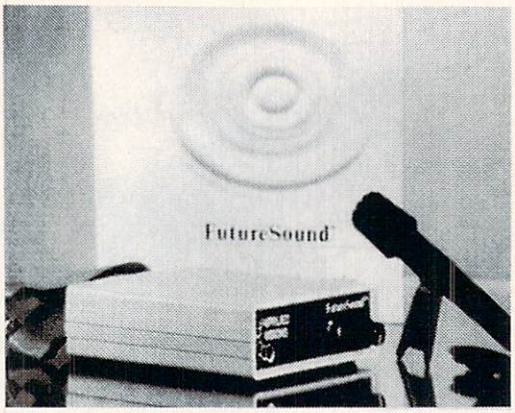
Inboard 1000
Internal 1.5MB unpopulated RAM board with optional time calendar and many features. For the A500 and A1000. $299.50 *Spirit Technology Corp.*

Inboard 500
Internal 1.5MB unpopulated RAM board with optional time calendar and many features. For the A500 and A1000. $279.50 *Spirit Technology Corp.*

Inboard Memory Expansion
For the A500 and A1000. 4-layer buffered PC board which mounts internally to the 68000 CPU socket. $279.50+ *Spirit Technology Corp.*

Insider for A1000
Adds 1MB to the Amiga 1000. Features fast RAM, clock/calendar, ten-year battery. Fits inside the Amiga case. $399.95 *Michigan Software*

Kwikstart Plus for A1000
Gives you an additonal 256K to use when running under the 1.2 system, puts the new Amiga 1.2 Kickstart in ROM. $169.95 *Michigan Software*



M-C 500 512K RAM Board with Clock
Internally located, easy to install board adds 512K bytes to the A500. Includes battery-backed real-time clock with calendar. $149.95 *Creative Microsystems, Inc.*

M103 Memory Expansion
256K standard internal expansion for the A1000. $129.95 *MicroBotics, Inc.*

MEM-1139
32 bit dynamic RAM board without DRAM. $695.00 *CSA*

MEM-993
32 bit static RAM board without SRAM. $595.00 *CSA*

Memory Expansion and Clock/Calendar
Increases A500 memory to 1 MB. Allows more sophisticated applications to be run. Fits into the A500 board by a slot in the bottom of case. Contains a battery-backed clock/calendar. Power is supplied by the A500. Price unavailable. *Commodore Business Machines*

Micron Memory Board MB-15-D1-PPS
Includes externally mounted chassis, interconnect card, wall-mount power supply (optional), pass-through. 1MB. $500.00 *Micron Technology, Inc.*

Micron Memory Board MB-15-D2
1MB memory board for the A2000. Mounts directly into the expansion slot. 1MB. $395.00 *Micron Technology, Inc.*

Micron Memory Board MB-15-D5
Memory expansion board for the A500 in externally mounted chassis with interconnect card, power supply, pass-through. 1MB. $500.00 *Micron Technology, Inc.*

Micron Memory Board MB-25-D1-PPS
Includes externally mounted chassis, interconnect card, wall-mount power supply (optional), pass-through. 2MB, $600 *Micron Technology, Inc.*

Micron Memory Board MB-25-D2
2MB memory board for the A2000. Mounts directly into the expansion slot. 2MB. $495.00 *Micron Technology, Inc.*

Micron Memory Board MB-25-D5
Memory expansion board for the A500 in externally mounted chassis with interconnect card, power supply, pass-through. 2MB. $600.00 *Micron Technology, Inc.*

MiniMegs™
MiniMegs is an external RAM expansion for your A500 or A1000. MiniMegs is shipped with 512K and is expandable to 2Meg. Everything fits in a low profile, small footprint package. 358.00 *M.A.S.T. (Memory And Storage Technology, Inc.)*

RAM/Clock
512K memory expansion for the A500 features four-layer circuit board for better noise immunity. Shipped fully populated and tested with 16 standard 256K DRAM chips providing an additional 512K of RAM. $59.95 with OK; $179.95 with 512K. *C Ltd.*

RC4 RAMcard
4 MB board. No-wait-state fast memory, board diagnostic test and recoverable RAM disk software, much more. $225.00 *Digitronics*

RE 2000
RAM board for the A2000. With OK. $225.00 *Comspec Communications*

SRAM-1M
1MB static RAM for the MEM-993. $1295.00 *CSA*

SRAM-512
512K static RAM for the MEM-993. $495.00 *CSA*

StarBoard 2
Memory expansion for the A1000. Up to 2MB of zero-wait state auto-configuring Fast RAM. Accepts either of two daughterboard modules: The original Multi-Function Module or the brand new SCSI module. Bus-powered. $339.00+ *MicroBotics, Inc.*

StarBoard 2/500
Memory expansion for the A500. Up to 2MB Fast RAM. $339.00+ *MicroBotics, Inc.*

StarBoard 2/SI? 2000 (adapted)
Memory/multifunction expansion for the A2000 (adapted from the A1000 versions). $339+ *MicroBotics, Inc.*

Supra Drive FD-10
10MB removable floppy disk drive includes formatting and backup software. Reads 360K and 1.2MB IBM-format disks. $1095.00 *Supra Corporation*

Hardware

Supra Drive RAM Expansion Module
1-2MB RAM upgrade for A500/A1000 Supra Drives or Supra SCSI interfaces. Installs in the interface, powers from hard disk. $399.00 *Supra Corporation*

Supra RAM
For the A500. Easy-to-install internal 0.5MB RAM upgrade with clock. Mounts in expansion slot on bottom of case. $149.95 *Supra Corporation*

The Advantage +
2 MB RAM expansion for use in A2000 or subsystem. Uses inexpensive 256K x 1 DRAM. Expandable up to 6 MB. $ 199.00 (unpopulated—0K) *Pacific Peripherals*

•Midi Interfaces•

Deluxe MIDI Interface
Provides input, thru, two switchable thru/outs for maximum flexibility. Also has a switchable RS-232 pass-thru. For the Amiga 500, 1000, 2000. $89.00 *Hypertek/Silicon Springs*

ECE MIDI 1000
Music instrument digital interface. Plugs into the serial port, communicates with MIDI compatible musical instruments and equipment. Includes RS-232 bypass port. $64.95 *ECE Research & Development*

ECE MIDI 500/2000
Music instrument digital interface. Plugs into the serial port, communicates with MIDI compatible musical instruments and equipment. Includes RS-232 bypass port. $64.95 *ECE Research & Development*

Micro Midi
MIDI interface with 6 outputs, two switch-selectable inputs, channel loading indicator, and external clock output. Serial pass-through and more. Price unavailable. *Microillusions*

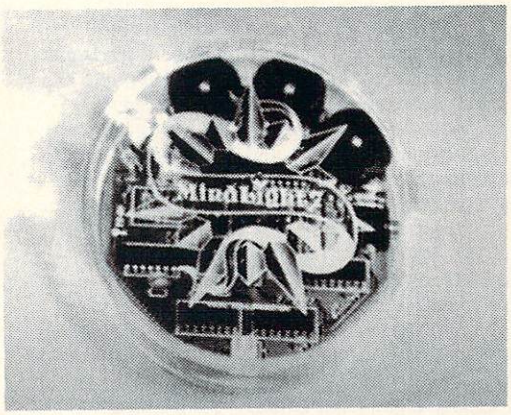
MIDI 1000
A1000 MIDI with in, out, through. Connects via serial port. $49.95 *Mimetics Corporation*

MIDI 1000/500 $ 2000
MIDI for all models with in, two outs, and through. $49.95 *Skyles Electric Works*

MIDI500/2000
A500/2000 with in, out, through. Connects via serial port. $49.95 *Mimetics Corporation*

MIDI for the Amiga 500
Standard MIDI IN, 2 MIDI OUT, MIDI thru for the Amiga 2000. Plugs into RS 232 port. $49.95 *Skyles Electric Works*

MIDI for the Amiga 500
Standard MIDI IN, 2 MIDI OUT, MIDI thru for the Amiga 1000. Plugs into RS 232 port. $49.95 *Skyles Electric Works*



MIDI Gold 500/2000
Musical instrument digital interface for the Amiga 500 and 2000. Features 1 MIDI IN, 2 MIDI OUTs, 1 MIDI OUT/THRU. Compact size allows direct connection to serial port. Serial pass-through. No cable required. All metal construction. Two year warranty. Features 1 MIDI IN, 2 MIDI OUTs, 1 MIDI OUT/THRU. Serial pass-through. No cable required. $69.95 *Golden Hawk Technology*

MIDI Gold Inside
$89.95 *Golden Hawk Technology*

RXMix
16-channel programmable mixer for Yamaha RXII drum machines. $79.95 *Pregnant Badger Music*

•Miscellaneous•

Ami-Stand
Organizes your Amiga and peripherals for a neat appearance. Free brochure. $39.95 *Gladstone Productions*

Amiga 500 Command Center
Holds two 3.5 floppy drives or one floppy and one hard drive. Holds monitor directly above keyboard. Deluxe model features cooling fan, surge protection, noise filter, and five AC outlets that are remotely switched on and off for fingertip control over all components. $179.95 *Lamplighter Software, Inc.*

Amiga 500 Work Center (Deluxe Model)
Holds two 3.5 external drives or one 3.5 and a 20/30 MB hard disk just above the keyboard. Includes fan, surge protection, and EMI filter. Five AC outlets connected to a remote power keypad give you system control at your fingertips. $179.95 *KETEK, Inc.*

Amiga 500 Work Center (Plain Model)
Holds either two 3.5 external drives or one 3.5 and a 20/30 MB hard disk just above the keyboard. $99.95 *KETEK, Inc.*

Amiga MOUSE
Compatible with all Amigas. $74.95 *Bethesda Softworks*

Amiga Trackball Controller
2-button trackball controller, compatible with all Amiga mouse software. $49.95 *Zebra Systems Inc.*

Bacpac
External enclosure for tape stream and hard drive combination with power controller. $295.00 *CSA*

CPS-500
Replacement power supply for the A500. 8 Amps. 3 AC receptacles, transient/spike suppression, more. $99.95 *Phoenix Electronics, Inc.*

EPYX 500XJ Joystick
Compact joystick with special grip and trigger-finger firing. $19.95 *EPYX*

Jet Black Ink (type 2101)
Disposable refill black ink cartridges. 4-pack, $18.00; 2-pack, $9.00 *Jet Technology*

MediaPhile Infared Controller
Infared code transmitter and learner designed to control a variety of infared devices from your Amiga. Plugs into the second mouse port and teach your Amiga infared commands from any remote control. Operates with Interactive Microsystem's Media Processor transaction and recording, medical imaging, much more. $495.00 *Interactive Microsystems*

Micro Stuffer
64K printer buffer works with any computer and printer with a Centronics parallel interface. $69.95 *Supra Corporation*

Mindlight 7
Sound responsive computer art program lets you visualize music. IFF compatible. $169.00 *Visual Aural Animation*

MS-500
All-metal stand attaches to the top of the A500. $29.95 *Phoenix Electronics, Inc.*

Multistart for A500 and A2000
Puts the Amiga 1.1 operating system in ROM. Switch from 1.2 to 1.1 and back using the Amiga keyboard. No soldering. $129.95 *Michigan Software*

Hardware

N.E.S AM201A Amiga Protyping Extender Board
Extender board for use with AM-200A Prototyping board. Price unavailable. *N.E.S. Corp.*

N.E.S AM200A Amiga Protyping Extender Board
Prototyping board for use with the Amiga 2000. $49.95 *N.E.S. Corp.*

N.E.S AM300A Amiga 500/100 Prototyping Board
Prototyping board for use with the Amiga 500 or 1000 same specs as AM-200A Protoyping board. $49.95 *N.E.S. Corp.*

N.E.S AM400A Amiga 2000 Co-Processor Protoyping Board
Protoyping board to use in the Amiga 2000 co-processor slot. $59.95 *N.E.S. Corp.*

NES AAM-400A Amiga 2000 Video Slot Prototyping Board
Prototyping board for use in the Amiga 2000 video slot. $59.95 *N.E.S. Corp.*

People Meter
Galvanic skin response stress interface. Can be used for biofeedback, lie-detector experiments and more. Includes software including several meters, graphics programs, and a game with sampled sound. $59.95 *Aminetics*

Proto-5K
Single-channel analog to digital converter with switch-selectable input gain ranges, LED voltage meter, range-test calibration switch and daisy-chain parallel port configuration. Available for each Amiga model. Test, utility, and data aquisition system source code in C ACDA Digiscope demo included. $279.95 *ACDA Corporation*

PS 500 Monitor Stand
Plastic stand for the A500 raises the computer, hides cables. $49.95 *Studio 7*

Stand for 500
All-metal stand to put monitor on top of the A500. $29.95 *Comp-U-Save*

The Ergotron Design Station
Free-standing design station rescues valuable desk space. Place the CPU on the adjustable shelf, which can be adjusted 6-inches vertically. Suspend the monitor above the desk using the workstation's hydraulic Radial Arm, which provides 20-inch horizontal, 20° Tilt, and 360° rotation. $915.00 *Ergotron*

The PC Workstation
Suspended Radial Arm Computer Workstation designed to save valuable work space by suspending the Monitor and Processor above the work surface. Provides shelf for the processor and a radial arm that suspends the Monitor above the desktop. The pivoting arm lets the user adjust the monitor to any position and provides a 6-inch vertical adjustment, 20° tilt, and 360°rotation with the touch of a hand. Models in 25 and 30 inch widths, and 64, 70, 78 inch. $530.00 *Ergotron*

Transvestor 1000
Parallel port adaptor cable attaches to the A5000 and A2000 to allow the use of products designed for the A1000's parallel port. $19.90 *Amicore International*

Transvestor 2500
Parallel port adaptor cable attaches to the A5000 and A2000 to allow the use of products designed for the A1000's parallel port. $19.90 *Amicore International*

Transvestor 2500 Plus
Parallel port adaptor cable for the A500 and A2000 along with an external power supply that eliminates voltage problems at the parallel port, greatly enhancing such products as Digi-View. $49.95 *Amicore International*

VDS120
Vertical disk storage unit, large capacity, wall mountable, organizing compartments. Holds over 120 3.5" disks. $29.95 *Vertical Solutions*

VDS240
Vertical disk storage unit, large capacity, wall mountable, organizing compartments. Holds over 240 3.5" disks. $39.95 *Vertical Solutions*

X-Specs 3D
Through these advanced high-speed liquid crystals your computer can now independently control what each eye sees. The result: stereo vision. Add new depth to presentations, CAD/CAM, and molecular or solids modeling. Play games with more realism than ever imaginable. Includes hardware and software; plugs into joystick port. $124.95 *Haitex Resources*

•Modems•

Amiga 1680 Modem/1200 RS
Access valuable information outside your workstation with the MODEM/1200 RS. Uses the popular Hayes command protocol to perform high-speed data communication over phone lines. Tap all major information networks to gather nearly limitless information. Supports standard RS232C interface so that it can be used with most computers on the market that offer an RS232 serial port. Offers the option of low speed compatibility with all Bell 103, 300 baud modems. $149.95 *Commodore Business Machines*

Avatex 1200 E
Fully Hayes-compatible 300/1200 baud modem. Includes communications software. $85.00 *Megatronics*

Avatex 1200 P
Avatex pocket modem—11.65 cubic inches. Requires no cable. Communications software included. $149.00 *Megatronics*

Avatex 2400
300/1200/2400 fully Hayes-compatible modem. Includes communications software. $199.00 *Megatronics*

Minimodem-A #6216
300/1200 baud modem includes speaker with volume control and status indicator LEDs. Powered from the serial port. Hayes compatible with LEDs and terminal software. $84.95 *APROTEK*

Supra Modem 2400
2400 baud modem, compatible with AT commands and common protocol. Features nonvolatile memory, more. $179.95 *Supra Corporation*

Supra Modem 2400AM
2400 baud modem package. Includes standard Supra Modem 2400 package, telecomm. software, RS-232 cable, A1000 adapter. $219.95 *Supra Corporation*

•Monitors•

1084S Stereo Color Monitor
RGB composite color maximizes your computer's video capabilties. High resolution, sharp image and superior color, stereo sound. Compatible with C64, C128, A500 and A2000. Also compatible with VCR and television tuners. Hue, brightness, contrast, sharpness and volume controls in front. RGB Composite switch in front. Built-in stereo amplifier, speaker and earphone jack. Analog RGB, Digital RGBI, NTSC composite, audio, and Separate Luna/Chroma. $399.95 *Commodore Business Machines*

Viking 1
19-inch paper-white screen provides four intensity levels for gray-scale use, with 1008x800 pixels for high resolution, as well as support for lower resolution modes (including 320x200 and 640x400) with noninterlaced design at a 63 Hz refresh rate. The Viking 1 for the Commodore Amiga 2000 targets business and professional users for desktop publishing, CAD/CAM engineering workstations, presentation, and spreadsheet applications. This display permits of two full facing pages of text and graphics for desktop publishing, word processing and B size drawings. $1995.00 *Moniterm*

Hardware

•Peripherals•

Profit Enhancement Center
Provides all hardware and software for POS, inventory control and full accounting. $3599 for 1 POS station with cash drawer; $6999 for 1 POS station and 1 back office station.
Clockwork Computers

•Printers•

Inky Dink
Ink-jet ink for the Xerox 4020 printer and Diablo C-150. Half the price of the ink now being used. Three sizes of bottles: 17 cc, 34 cc, 62 cc 4 colors. Price unavailable.
Software Sensations

JX-730
Plain paper, color ink jet printer. Upgrade from the JX-720 features 225% higher resolution, separate ink reservoirs, faster printing, laser printer buffer, and monochrome printer abilities. Features 48 nozzles, 180 DPI, and 19K image buffer. Prints 1 page per minute. Feeds via roll paper, tractor, or cut sheet. $6,995.00 *ASDG Inc.*

LazerXpress
LazerXpress is a 300 DPI Laser printer complete with printer driver. LazerXpress is sold as a bundled system with Publishing Partner Professional, Express Paint and a large collection of fonts. This system allows full dot by dot editing at the 300 DPI level. Under $2500.00 *C Ltd.*

Microshare MCS 6550
256K Centronix printer buffer. $300.00
Comspec Communications

Microshare MTS 8008/MTS 8004
Multi-user printer network. $750.00/$600.00
Comspec Communications

•Experimental Hardware•

ProtoBoard-II
Prototype board for Zorro-II slots. $49.95
Akron System Development

Zorro II Prototyping board
Prototyping board for the Amiga 2000. Allows developers, engineers, and dedicated hobbyists to build, test, and debug custom hardware before developing a custom printed circuit board. Two sided board designed for maximum flexibility and has over 4400 plated through holes on a 1.0 grid. Main prototyping area accepts ID's in DIP packages with as many as 64 pins and IC's in PGA packages as large as 14x14 pins. I/O connector pattern and mounting bracket designed for D connectors with up to 25 pins. $49.95
Celestial Systems

•Sound•

Amiga 500 Freedom Machine
Affordable alternative to expensive talking systems. No computer knowledge required. Includes all instruction transcribed onto APH cassettes; printed and braille manuals also available. Cables, connections, and keyboard keys all clearly marked in Braille so users can set it up themselves. System includes 1 MB of memory, full documentation, access software, external speaker, and two disk drives. $10.00 demo disk available. $1499.00 *Inspired Interfaces*

Audio 2000
Stereo amplifier for the A2000. Features true stereo, 100% separation with front dual volume controls and headphone jack. The main amplifier board fits in the IBM type card slots. Works with any software. $79.95
Day's

FutureSound
Audio digitizer with microphone and editing software. $175.00 *Applied Visions*

Micro SMPTE
Allows Music-X to synchronize with video or audio tape decks. Connects via parallel interface, includes pass-through. Compatible with all models. Price unavailable.
Microillusions

Perfect Sound
Sound digitizer records in stereo from any line-level input source. Also creates IFF instruments. Includes library and software. $89.95 *Microsearch Inc.*

Pro-Sound Designer—Gold Edition
Professional sound sampler for the Amiga. Easy interface allows capture, manipulation, and playback of real sounds. Features include: automatic gain control; advanced editing; octave and frequency changes; auto-record and play; looping; more. Includes MIDI-plus software to let you playback samples recorded with Pro-Sound and let you play them back on the Amiga or MIDI keyboard as an instrument voice. Allows up to 10 samples at one time in memory, and offers full control over sample. $159.95
Precision Incorporated

SoundScape Sound Sampler
Digitize microphone/audio input to produce sampled sounds in Mimetics or IFF format. $99.95 *Mimetics Corporation*

SpeakEasy
External voice synthesizer. Includes internal speaker, null modem cable, Amiga 500 CPU, and special programs. Mispronounced words correctable from within the SpeakEasy environment; four levels of punctuation delivery; each level may be edited or defined. Manual in cassette and print. Demo available for $10.00 (refundable). Complete system $1100.00; Slave unit software and manual $350.00 *Inspired Interfaces*

•Video•

A-Video
RGB to color composite for A500 and A2000. $49.95 *Akron System Development*

Amicore 4003 Remote Control Unit
Controller for use with the Magni 40004 Board. Performs variable speed fades, luminance, and inverse typing. Also controls key and fade levels or genlocked graphics. $499.00 *Amicore International*

Amiga 2300 Internal Genlock
Fits in the A2000's video slot, allows user to combine the A2000 video display with output from a VCR, video camera, or laser disk. Combined display may be viewed on an Amiga RGB monitor. Titles, captions, and multi-layered effects may be viewed on video tape. Suitable for semi-professional (non-broadcast) environment. Available in both NTSC and PAL versions. 399.00 *Commodore Business Machines*

Amiga 520 Video Adaptor
Lets you connect the A500 to a composite color monitor or standard TV. Converts video signal into RF modulated and color composite signals. Accepts audio from A500 which is added to the RF video to be heard through TV. Connects to the A500's RGB video port. Power is supplied by the A500. $49.00
Commodore Business Machines

Amiga GPIB (IEEE-488)
General purpose digital interface bus card for the A2000. Allows the Amiga to interface with up to 15 other IEEE-488 devices, permitting high speed data transfer. Performs all the talker, listener, and controller functions of the IEEE-488 protocol. One Amiga can control up to 14 GPID devices. Includes Command Function Library (ACDA GPIB CFL); test application program and C source code. Fits some Amiga 2000 card cages. $395.00 *ACDA Corporation*

AmiGen
Genlock allows Amiga to synchronize with any external video system and overlay graphic images. Interfaces with video switcher and special effects generator. $179.95
Mimetics Corporation

Hardware

C-View I
Allows the RGB video output of any Amiga to drive a standard composite color monitor or the video input of a VCR. Connects with the standard 23 pin video connector and provides a single RCA type pin connector for video output. $49.95 *C Ltd.*

C-View II
Allows the Amiga's RGB video output to drive Commodore's 1700 and 1800 series monitors and VHS VCRs that accept chroma/luma inputs. Uses standard 23 pin connector and provides separate RCA type pin connectors for Chroma and Luma output. $49.95 *C Ltd.*

CVC Video Workstation™
Step-frame animation, frame accuracy, SMPTE time control, and A/B roll editing in a standard EIA 19" rack mount format. Controls up to 32 video devices, multi-tasking color graphics, and mainframe computing power. Based on the A2000, features CSA's 14MHZ FasTrack™ 68020 or 68030 processor boards, up to 16 megabytes of fast 32 bit memory. Price unavailable. *RGB Video Creations*

ENC-1
Converts analog RGB to standard NTSC composite video signal. $395.00 *Communications Specialties Inc.*

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Frame Buffer
Buffer allows for 740 x 480 pixel resolution single frame display in up to 2,000,000 colors. $699.95 *Mimetics Corporation*

GEN/ONE
Genlock encoder with overlay. Has separate 4C output for super-VHS. $895.00 *Communications Specialties Inc.*

Magni 4004 Genlockable Video Graphics Encoder
The 4004 provides creative flexibility in video production. The 4004 allows the use of either the mouse or the keyboard. Function keys to control the features. Lets Amiga user perform fades between video and graphics, access the adjustable fade rates, utilize luminance keying, or the color zero keying, and create video/graphics cuts. An on-screen display provides easy visibility of the chosen settings. The 4004 provides true RS-170A output from Amiga 2000 graphics. $1695.00 *Magni Systems, Inc.*

Magni 4004 Genlockable Video Graphics Encoder with 4010 Remote Control
Same great features of the 4004, but with the additional freedom of a remote switch control effects. $1995.00 *Magni Systems, Inc.*

MediaPhile Desktop Audio/Video System
Allows computer control of A-V equipment. Edits video tape, records database, plays back automatically from one or two decks. Overlay computer graphics on video, dub audio, record single frame animation images automatically, record a database of up to 24 hours of digital stereo sound or 4 hours of video on one 8mm cassette. Freeze frame, visible high speed search, flying erase heads, much more. $495.00 (Add $50.00 for SVHS option) *Interactive Microsystems*

MediaPhile Infared Controller
Provides complete accurate control of video decks, laser and compact disk players, and other infared devices from Amiga™ computers. Learn commands from any infared remote control and send them to computer. Features: infared commands for many popular devices included on program disk; video deck control for many database, animation, editing, and database programs; Programmer's Toolkit software; SMPTE time code input and SMPTE sync output, more. Price unavailable. *Interactive Microsystems*

Music Visions
Adds a visual dimension to music as it plays, using FutureSound digitizer. Samples and analyzes the music, creating a light show in real-time. Many options. $29.95 *Digital Wizards, Inc.*

ProGEN
Professional, software-controllable Genlock for all Amigas. $399.95 *Progressive Peripherals & Software*

RM-2
Overlays graphics and text on video feeds from cameras, film chains, etc. Many features. Meets RS-170-A specifications. $2995.00 *Wollner Associates*

SuperGen
Genlock and overlay device. Independent dissolve controls, two overlaid outputs, switchable notch filter, accurate lock to VCR output. RGB decoder for true Amiga colors. $749.95 *Digital Creations*

Symphony Music Video
Continuous display of video and sampled sound in IFF format. $24.95 *Speech Systems*

TTL Hi-Res Monitor Interface
Provides flicker-free interfaced graphic output with three grey scales when used with the Commodore 1901 or Magnavox Monitor 80. $99.95 *Hypertek/Silicon Springs*

V-I 500
Supports a variety of video standards, provides quality color composite video signal, generates chroma/luma signals. $59.95; $69.95 with RF modulator. *Creative Microsystems, Inc.*

V-I 2000
Supports a variety of video standards, provides quality color composite video signal, generates chroma/luma signals. Works on Amiga 2000 only. $59.95; $69.95 with RF modulator. *Creative Microsystems, Inc.*

Video Bus
Expansion box with 3 video slots and one IBM slot for use with the Magni 40004 Genlock Video/Encoder. Call for price. *Amicore International*

Video Toaster
Real time full color digitizer, real time digital effects, and broadcast quality genlock all in one board. Over 100 pre-programmed real-time video effects include page flip spheres, pushes, splits, binds, mosaics, and more. $799.95 *NewTek*

Accessories *etc...*

Order and Chaos.
Amiga users are fortunate to find a rich diversity of products created for their favorite computer. Unfortunately, this plethora of Amiga products has created a few items we were unable to match with our other categories. Below resides the programs or services which were too unique to fit comfortably in our more traditional Amiga sections.

•Accessories•

Great Cover-Ups
Clear vinyl dust cover. Custom made; sewn not vulcanized. Price unavailable. *Great Cover-ups*

Leather Mouse Pad
9 x 10.5", hand made with the finest leather, in three grades: HIGH traction for the precise operation, such as drawing, NORMAL traction for normal operation, and LOW traction for fast movements, such as games. It provides a smooth, natural surface to extend the life of your mouse and allows you better control and ease in the operation of your mouse. $19.95 *Vega Technologies*

Mouse Cleaner 360°
Scours your mouse for efficient operation. No more disassembling the mouse for 10-15 minutes with tweezers and messy cotton swabs. The kit comes complete with two hook-covered Scrubber Balls, Scrubber Board, Cleaning Fluid, Lint Free Chamois cloth, and Mounting Coins. $16.95 *Ergotron*

•Calendar•

GIRLS: Impressions of the Riviera
Pin-up calendar on disk. 16 tastefully rendered pin-ups, plus clock/memory reminder and 5 macro keys. $24.95 *Graphic Expressions*

•Disk Publications•

A. X. Magazine
Disk-based magazine offers reviews, articles, columns, and music playable from the magazine. $9.95 for 3 disks + Bonus disk *A.X. Productions*

Jumpdisk
A monthly disk-based magazine for the Amiga. 12 mos. $66; 6 mos. $37; 3 mos. $20; $9 each *Jumpdisk*

Magnetic Media
Interactive magazine on disk. Experience sounds, graphics, or programs right from the article. The next generation in disk periodicals. $9.95 *Luxury Art, Inc.*

•Gambling•

Lottery Assistant
Works with any major lottery. Increase your odds of winning by up to 500%. Includes random number generator, and more. $39.95 *Classic Future*

Lotto Master
Easy to use, complete program for lotteries. Sorts and prints number combinations, includes many wheeling systems. Demo disk available for $3. Free brochure. $29.95 *Gladstone Productions*

Professional Lottery System
Increase your chances of hitting it big. Advanced database accomodates all state lotteries and generates numbers that have better chance of being selected. At the click of an icon you get graphs, hot and cold deviations, frequency distribution on all numbers, and 10 different wheeling systems that let you choose different numbers and spread them out in all their combinations. Select 3 and 4 digit as well as lotto games. Price unavailable. *Digital Concepts*

Sports Handicapping Programs
For horse racing, dog racing, football, etc. Demo disk available for $3. Free brochure. $34.95/item *Gladstone Productions*

•Genealogy•

GENP
Genealogical software for individuals, medical researchers or schools. Run long search in the background while you do something else. Run the program under the System Operator so other users can access the system. Access many files during a search to cut computer effort dramatically. Open up to 50 files at a time; catalogue up to 50 databases. Use the data dictionary to search information using terms you prefer. Features hotkeys and powerful screen input forms, and includes single site license. Price unavailable. *GENP*

Norgen: The geneological database
Full-featured product of the application generator norbase. On-screen searches among and within generations at the click of the mouse. Over 30 reports to printer or screen. Date fields are the only fixed-length fields. Duplicates sibling, spouse, child, and note fields as needed by function key. Access to Workbench provided via program interface. $79.95 *Norris Software*

Your Family Tree
Organize your family history. Store over 65,000 names. 4,000-character memo space for each person. Requires 2 floppy drives. $49.95 *MicroMaster Software*

•Home•

AMI-X10
Works with X10 (USA) Inc.'s X10 Powerhouse Computer Interface. Accesses 256 different code combinations for timed or immediate command. Stores and retrieves an unlimited number of event schedules. Multitasking. $49.50 *Digital Dynamics*

Health Med
Comprehensive home medical guide. Available February 1989. $99.00 *Lee Software*

Nutri-FAX
Provides nutritional data on 13 common nutrients for your own favorite recipes. Includes approximately 100 recipes for your own use. $139.95 *Meggido Enterprises*

Recipe-FAX
Stores and prints recipes, converts recipe ingredient measurements for more or fewer servings. Includes approximately 100 recipes. $49.95 *Meggido Enterprises*

Weave-It
Weaving program with 6 grid sizes, any 6 colors at one time, 12 harnesses, 14 treadles. Modify drawdown or design colors anytime. Change threading, tie-up or treadling anytime. Compatible with other Amiga graphics software. Saves in IFF format. $69.95 *Joyce I. Peck*

Weave-It Plus
All the features of Weave-It with the utility programs Fibre-Facts and Calculate-It. Both utility programs fully use the Amiga interface, do point and click calculations, convert standard measures to metric, and print calculations to any Amiga preference printer. $84.95 *Joyce I. Peck*

Accessories *etc...*

•Religion•

Bible Files on Disks Vol. 1
Genesis - Deuteronomy, 2 disks. Each chapter is saved as a separate file to be used with any ASCII format word processor. $34.95 *John 1:1 Graphics*

Bible Files on Disks Vol. 2
Joshua - Esther, 2 disks. Each chapter is saved as a separate file to be used with any ASCII format word processor. $39.95 *John 1:1 Graphics*

Bible Files on Disks Vol. 3
Job - Songs of Solomon, 1 disk. Each chapter is saved as a separate file to be used with any ASCII format word processor. $19.95 *John 1:1 Graphics*

Bible Files on Disks Vol. 4
Isaiah - Malachi, 2 disks. Each chapter is saved as a separate file to be used with any ASCII format word processor. $34.95 *John 1:1 Graphics*

Bible Files on Disks Vol. 5
Matthew - Revelation, 2 disks. Each chapter is saved as a separate file to be used with any ASCII format word processor. $39.95 *John 1:1 Graphics*

RL-901 In the Beginning
Elementary level. The biblical story of the creation of the world. From chapter I of the book of Genesis. $29.95 *MicroEd*

RL-902 Adam and Eve
Elementary level. The biblical story of the fall of Adam and Eve. From chapters II and III of Genesis. $29.95 *MicroEd*

RL-904 Abraham, Friend of God
Elementary levels. The story of Abraham's trust, and God's promise. From Genesis, chapter XII. $29.95 *MicroEd*

RL-932 The First Christmas
Elementary level. The New Testament story of the birth of Jesus in Bethlehem. $29.95 *MicroEd*

RL-938 The Story of the Good Samaritan
Elementary level. The parable that showed the importance of treating others as we would want to be treated ourselves. $29.95 *MicroEd*

RL-993 In The Promised Land
5 disks. High school to adult. Stories of the Chosen People and their conquest and settlement of the Promised Land. Stories include events from lives of Joshua, Samuel, and David. $89.95 *MicroEd*

VNT (Visualized New Testament)
Compatible with ProWrite word processor. Red letters, italics, maps. $49.95 *John 1:1 Graphics*

•Services•

35mm Color Slide Transformer Service
Provides 35mm slides of Amiga IFF and HAM Graphics and picture files, using a professional computer image film recorder. No image distortion because of screen curvature. Price varies according to service. *Hammond Photographic Services*

35mm Slides
35mm slides of your Amiga artwork. Converts all IFF files distortion-free with raster lines filled. First 4 slides, $10 each. *Tru-Image*

AmiForum
New software and information exchange, including monthly newsletter and discussion forum. Demo disk, $3; free brochure; free copy of newsletter on request. $19.95/year *Gladstone Productions*

Black Cat Printing Services
Desktop publishing services. Call for details. Australia 272-5895. *Black Cat*

Applied Creative Arts
A complete graphics service bureau offering down loading services for computer artists, researchers, video producers, designers, and anyone interested in high quality output at reasonable prices. Services include 35mm color slides, Vu-Graphs, Photographic Prints, High Resolution Digitizing, Color Separations, Halftones, Video Transfers, and Custom Services. All work is done in-house. Price varies with services and materials ordered. *Applied Creative Arts*

Amiga Graphics Services
Have any art digitized in hi-res to disk; film recording of IFF disk image; 4-color separations. No raster lines or screen warping. $4/image; $20 minimum *Mueller Visual Productions*

Four Color Separation
Four-color separation for computer graphics saved in the IFF file format. Direct digital conversion from RGB to CMYK. No scanning. 4x5. $150.00 *ImageSet*

Slide Service
Slide photography service shoots graphic screens in color, text screens in green, amber, black and white, using hi-res RGB monitors. $3-$5 per slide. *Slide City*

Transparencies
High quality transparencies. Saved in IFF format. Direct digital transfer from computer disk to transparency. Sizes start at 4x5. $120.00 *ImageSet*

Video-Slide Transfer Service
Art production and transfer service for the Amiga video-slide community. Consultation on per project basis. Price list of services available. Conversions and video disk support available. Price varies according to project. *CV Designs*

Yore Photo Disk
Image digitizing service. Saved to disk in IFF, 32- color mode. B&W, hi-res or IFF, HAM files on request. 1 image $15.95; 2-4 images $18.95; 5-7 images $21.95 *Yore Photo*

•Weather•

DataConnect
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Station Manager Weather-Link
Lets the meteorologist download weather Accu-Weather's Accu-Graphics™. $295.00 *ACS* Software

The Weather Connection
Television weather graphics turnkey workstation, designed by meteorologists. Price unavailable. *WeatherConnect, Inc.*

Books

The Amiga Library
As the Amiga community expands, new users will want to be even more productive with their Amigas. As a result, they will need good written resources to help them tap the Amiga's power. Publishers are recognizing this, and are turning out Amiga resource books in greater numbers to introduce new users to the machine and its great potential.

More experienced users will need a good book to help them learn C programming, 3D graphics programming, machine language programming, or art on the Amiga. Whether you're a novice or a machine language programmer, chances are good that someone has a book for you and your Amiga.

Amiga 3D Graphics Programming
Learn to use the Amiga's powerful graphics capabilities. Details the techniques and algorithms for writing three dimensional graphics programs; ray tracing in all resolutions; light sources and shading; saving IFF graphics; more. $19.95 *Abacus Software*

Advanced AmigaBASIC
This guide reveals the advanced techniques and commands necessary to write sophisticated programs in AmigaBASIC. Includes numerous sample programs and utilities. $16.95 *COMPUTE! Publications, Inc.*

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Learn drawing, database, video title, sound synthesis, and more in over 550 pp. with index and appendix. Optional diskette. $24.95 *Abacus Software*

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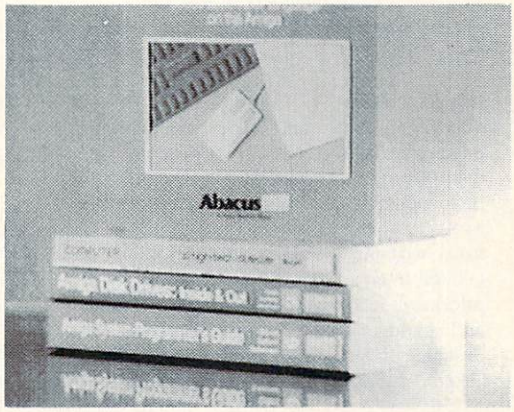
Introduction to C on the Amiga. Explains the various language elements using examples specifically geared to the Amiga. Describes C library routines, the compiler, more. $19.95 *Abacus Software*



Amiga Disk Drives Inside and Out
All you need to know about Amiga disk drives: data security, drive speedup routines, copy protection, boot blocks, and technical aspects of hardware. Also covers AmigaBASIC; floppy disk operations from Workbench and CLI; DOS functions; disk boot block types; viruses; Trackdisk; diskette access with DOS, more. Optional diskette available. $29.95 *Abacus Software*

Amiga Handbook
Use the full power of the Amiga. Includes system architecture, Workbench, Intuition, graphic programs, CLI, Command sequences, special chips, programming, more. Many illustrations and tables. By Marcus Breuer. $24.95 *Progressive Peripherals & Software*

Amiga Hardware Reference Manual
Written by the technical staff at Commodore-Amiga. Presents an in-depth description of the Amiga's hardware. Includes tutorial on writing assembly language programs, descriptions of Copper (coprocessor), playfields, sprites, and the Blitter. Eight appendixes and a glossary also included. $24.95 *Addison-Wesley Publishing Company*

Amiga Machine Language
Learn how to program the Amiga in machine language, 225 pages. $19.95 for optional program diskette. $14.95 *Abacus Software*

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(2nd Edition)
Covers 300+ Exec, Graphics, Animation, Text, Layers, Intuition, WorkBench functions and Macros. $24.95 *Sybex Books*

Amiga Programmer's Handbook Vol. II
Covers devices: Audio, Narrator, Parallel, Serial, Input, Console, Keyboard, Gameport, Printer, Clipboard, Timer, TrackDisk, Exec-support functions and Macros. $24.95 *Sybex Books*

Amiga Programmer's Guide
Introduces you to the Amiga's graphics and stereo power. Learn how to set up the Amiga, use the mouse and keyboard, and install expansion devices. Examine the fundamentals of AmigaBASIC Logo, and C through example programs. Communicate with PC's and work with VCR's and stereo. Look at the software programs available for the Amiga in word processing, business, graphics, music, and entertainment. $16.95 *Queue Corporation*

Amiga ROM Kernal Reference Manual: Includes Notes and Autodocs
Contains Amiga C and Assembly language include files, function Autodocs, and IFF documents. Provides essential programming materials. 768 pages.$32.95/$33.95 paper. *Addison-Wesley Publishing*

Amiga ROM Kernal Reference Manual: Libraries and Devices
Provides detailed descriptions of the fetaures and functions oif the Amiga ROM Kernal manual, including Exec, the multitasking system excecutive; Intuition, the user interface; and Workbench, the windowing environment. 950 Pages. $34.95/$33.95, paper *Addison-Wesley*

Amiga System Programmers Guide
Inside the Amiga. Discusses EXEC structure, Multitasking functions, I/O management, interrupts and resource management, RESET, DOS libraries, disk management, and detailed CLI information. Over 600 pages. $34.95 *Abacus Software*

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AmigaDOS CLI Reference Book
8-page typeset pocket-size book listing AmigaDOS1.2 commands and their usage, with a section listing AmigaDOS standard devices and assignments. Also includes a section listing commands and usage for type ED editor. $3.95 *The Computer Club Co.*

Books

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Covers the inside of AmigaDOS from internal design to practical applications. Topics include: 68000 architecture tasks and handling, CLI, DOS editors ED and EDIT CLI operating notes; how CLI uses Amiga devices; batch files; changing startup sequence; AmigaDOS and multitasking; writing CLI commands; resetting priorities, more. $19.95 *Abacus Software*

AmigaDOS Quick Reference Guide
Handy guide to AmigaDOS. $14.95 *Abacus Software*

Becoming an Amiga Artist
By William B. Sanders. 304 pages. $19.95 *Scott, Foresman, & Co.*

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Complete cross-referenced catalog of Fred Fish Public Domain Library on 8.5 x 11 inch hole-punched paper. Three sections: cross-referenced by file names, cross-referenced by subject and application outline, and complete contents and file description listings. Also available on two disk set. $20.00 *ASITEC: Amiga Science and Technology*

COMPUTE!'s Amiga Applications
A collection of applications including educational games, personal management programs and business tools. All programmed in AmigaBASIC. $16.95 *COMPUTE! Publications, Inc.*

COMPUTE!'s Amiga Programmer's Guide
A comprehensive guide to programming the Amiga. Includes example programs and instructions in accessing advanced features. $16.95 *COMPUTE! Publications, Inc.*

COMPUTE!'s BEGINNER's GUIDE TO THE AMIGA
A general guide to the Amiga for the novice. $16.95 *COMPUTE! Publications, Inc.*

COMPUTE!'s FIRST BOOK of AMIGA
A collection of BASIC programs and tutorials designed to teach programming techniques on the Amiga. $16.95 *COMPUTE! Publications, Inc.*

Computer Viruses: a high-tech disease
Introduces viruses and their history, tells about self-operating programs, design and function of viruses, sample listings in BASIC, Pascal, and machine language. Also includes examples of viral software manipulation, protection viruses and strategies, more. Price unavailable. *Abacus Software*

Graphics on the Amiga
Amiga graphics book by M. Kohlen. Introduces graphics then offers practical examples. Also covers Amiga hardware and software and an overview of graphic programming. $19.95 *Progressive Peripherals & Software*

Guru's Guide
This Book, Meditation #1, describes the Amiga Exec interrupt system in great detail. More than 60 pages covering the design philosophy, general principles, rules for used issues to consider, common problems, plus many working examples. Includes details of general interrupts, software, functions, priorities, decoding, dispatching, disabling and sharing. Written by Carl Sassenrath, the designer of Amiga's Multitasking executive (Exec). $19.95 *Sassenrath Research*

INSIDE AMIGA Graphics
A comprehensive tutorial and reference guide on programming Amiga graphics. Includes example programs in both C and AmigaBASIC. $16.95 *COMPUTE! Publications, Inc.*

Inside the Amiga with C
Explores each of the major subsystems through example programs. Topics covered include AmigaDOS, Intuition and the Executive kernel. $22.95 *Howard W. Sams & Company*

KickStart Guide to the Amiga
Amiga programmers guide. Includes instructions in C and documents features of the Amiga not documented elsewhere. $24.95 *FreeSpirit Software, Inc.*

Learning C
A guide to programming graphics on the Amiga and Atari ST computers using C. Includes tutorials on programming advanced graphics. $18.95 *COMPUTE! Publications, Inc.*

Mastering AmigaDOS
Easy to read guide leads novices through field tested sample sessions and leads advanced users through AmigaDOS's more advanced features. Covers all AmigaDOS commands, explains the directory structure and logical devices, including the RAM disk. Complete CLI library, WorkBench information, tutorials on ED and EDIT, more. $16.95 *Array's Inc.*

Programming with AmigaBASIC
Amiga book on BASIC programming by H.R. Henning. $24.95 *Progressive Peripherals & Software*

Standard BASIC Programming with True BASIC
By Catlin. $24.00 *True BASIC, Inc.*

Structured BASIC Programming
By Kemeny and Kurtz. $28.00 *True BASIC, Inc.*

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By Goldstein, Moore, and Welcher. $30.00 *True BASIC, Inc.*

The Amiga Companion
A comprehensive guide to AmigaDos and the CLI. Includes an overview of the WorkBench and an introduction to the CLI. $19.95 *IDG Communications*

The Amiga Microsoft BASIC Programmer's Guide
By Vahé Guzelimian, Norbert Kuhnert, and Gia Rozells. 280 pp. $19.95 *Scott, Foresman, & Co.*

The Amiga System: An Introduction
Covers multitasking and a wealth of practical tips and tricks. By Bill Donald. $19.95 *Progressive Peripherals & Software*

The Amiga User's Guide to Graphics, Sound, and Telecommunications
Covers every aspect of the Amiga, from basic functions to sophisticated features. Music, voice, graphics, animation and telecommunications. $18.95 *Bantam Electronic Publishing*

The AmigaDOS Manual (2nd edition)
Official documentation for AmigaDOS 1.2. Details DOS commands, includes technical reference manual, developers' manual. $24.95 *Bantam Electronic Publishing*

The True BASIC Primer
General programming textbook by William S. Davis. $21.95 *True BASIC, Inc.*

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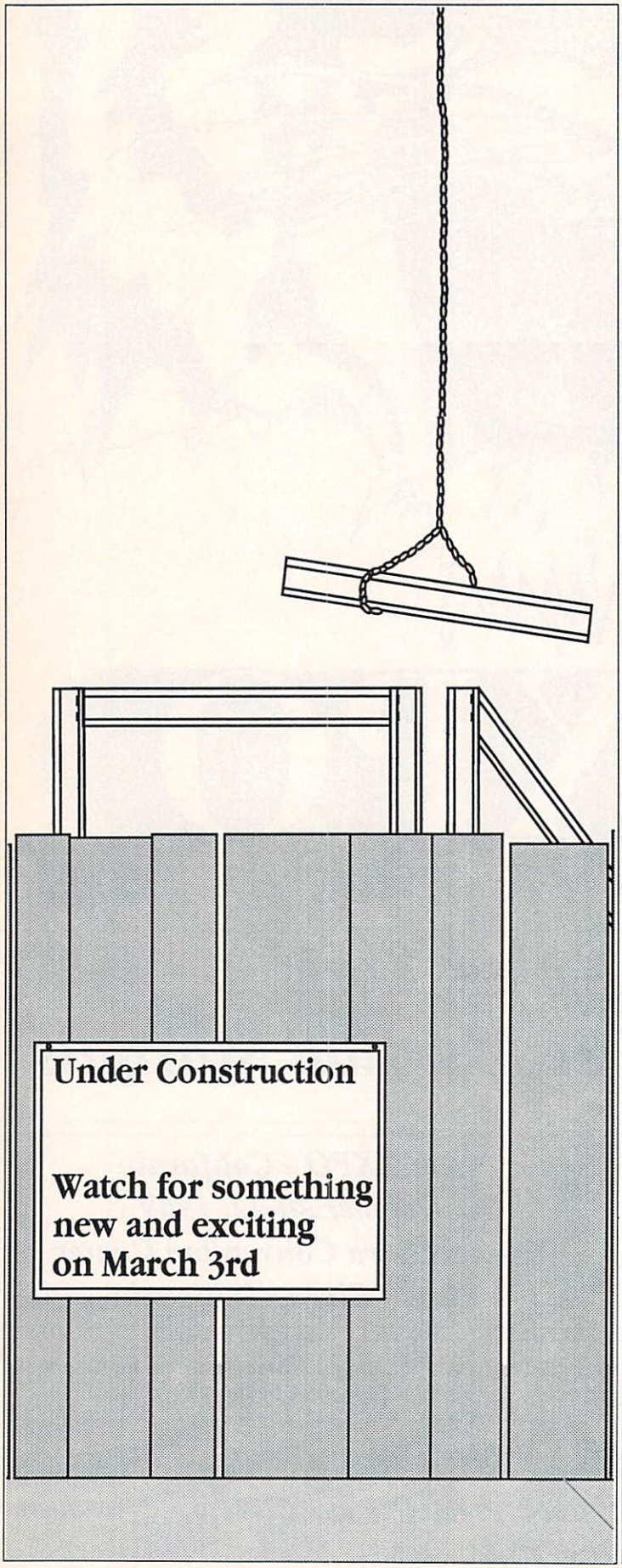

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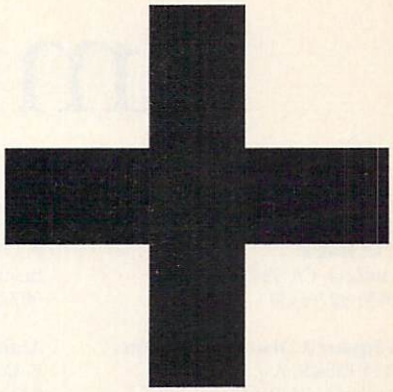

Extras
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Workbench and CLI instruction on 90 minute-VHS, Beta, or PAl. $29.95 *Clackamas Computers*

Dynamic Word
Word processor. Speller, thesaurus, macros, on-line help. Multi-tasking and windowing supports multiple fonts, screen editing, table of contents, index generation, and more. Custom printer drivers and PostScript Laser printer support. $199.95 *Microillusions*

Econometrics
Covers most of the material in Johnson's Econometric methods. Topics include statistical distribution and inference, multilinear regression, including weight regression models, ridge regression, splines, logit analysis; models using simultaneous equations, models based on time series, autocorrellation, seasonal models, lagged variables, the Cochran-Orcutt correction for autocorrelation, more. Includes full set of transfer programs. $145.00 *Lionheart Press, Inc.*

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Various techniques based on a median of data sets for preliminary examination of data. Topics include letter-value and stem-and-leaf diagrams, boxplots, rootograms, condensed plots, coded tables and median polish, resistant lines froots and flogs, product ratio calculations. Calculation results displayed numerically and graphically. $85.00 *Lionheart Press, Inc.*

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Covers the general methods of analysis of time-series and the forecasting techniques based on those methods. All types of time-series considered, those with trends, seasonality, and periodicity, autoregressive, etc. Time series used include stock prices and a utilities index to population series. Provides elaborate data entry and transfer facilities. Time-series analysis covers the study of periodicity, correlation, and cross-relation, autoregression, Fast Fourier Transforms and more. $145.00 *Lionheart Press, Inc.*

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Calculations from cumulative statistical distributions include the normal ,t, chi-square, and F. Programs use the direct, inverse, and non-central distributions. Includes a full set of procedures for the calculation of Type II errors. Various hypothesis tests based on these distributions have been programmed. Look-up tables give information appropriate to non-parametric tests. $95.00 *Lionheart Press, Inc.*

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From Kuma Software of England. Prepare graphics displays for presentations and use in documents. Line/scatter graphs, area graphs, pie charts, stacked, horizontal, 3 dimensional and normal bar. Automatic axis scaling, Grid on/off, Save Graph option, statistics, Math and logical expressions, graph formulas, automatic creation of legends and labels, marker postions. Display up to four graphs at a time. Prints to any Epson or Epson Compatible printer. Data interchangeable with K-Spread 3 and K-Word 2. $99.95 *Microdeal*

LightBox—The Drawing Tool for Animators
Allows the animator to draw in the traditional manner with increased productivity. Instant feedback via flip function. Price unavailable. *R & D L Productions*

Lottery Magic
Keeps track of lottery numbers in all states, figures frequency distribution on all numbers. Lets you wheel numbers. $24.95 *Slipped Disk*

MAGELLAN™
Expert system generating tool designed to allow users to build knowledge bases quickly through a mouse and window, graphically oriented interface. Knowledge is stored in an IF/THEN rule format, which can be edited and corrected easily. Runs on any Amiga with 512K. $195.00 *Emerald Intelligence*

Magicode
Encryption system allows file protection in single or multiple levels. Contest challenges you to break the system. $34.95 *Magicircle Software*

MediaPhile Programmer's Toolkit
Linked with the MediaPhile Infared controller, the Programmer's Toolkit gives software and system developers interactive control of video decks, laser and compact disk players, and other infared controllable devices from Amiga™ computers. Plugs into second mouse port and transmits infared commands from 3-foot LED extension cable. Two Sony S-Port control cables, remote switch I/O cable, and 2 video deck counter outputs. Supplied as standard AmigaDOS shareable library. Source for several example programs. Price unavailable. *Interactive Microsystems*

NLQ 342C Interface
Preferences driver for the NLQ 324C. $50.00 *Lightning Publishing*

True BASIC—A Complete Manual
Programming manual by Simpson. $14.95 *True BASIC, Inc.*

True BASIC—Programs and Subroutines
Learn to simplify and modularize your programs. By Craig. $16.95 *True BASIC, Inc.*

Zoetrope
A computer animation system for your Amiga with the functionality and features found only on high-end graphic systems. Create 2D animated fantasies, animate 3D images. Contains all the standard paint tools: brush, box, rubber, line fill, etc. Works with Live!, Aegis Animator, Videoscape 3D, and Aegis Titler IFF Images. $139.95 *Antic Software*

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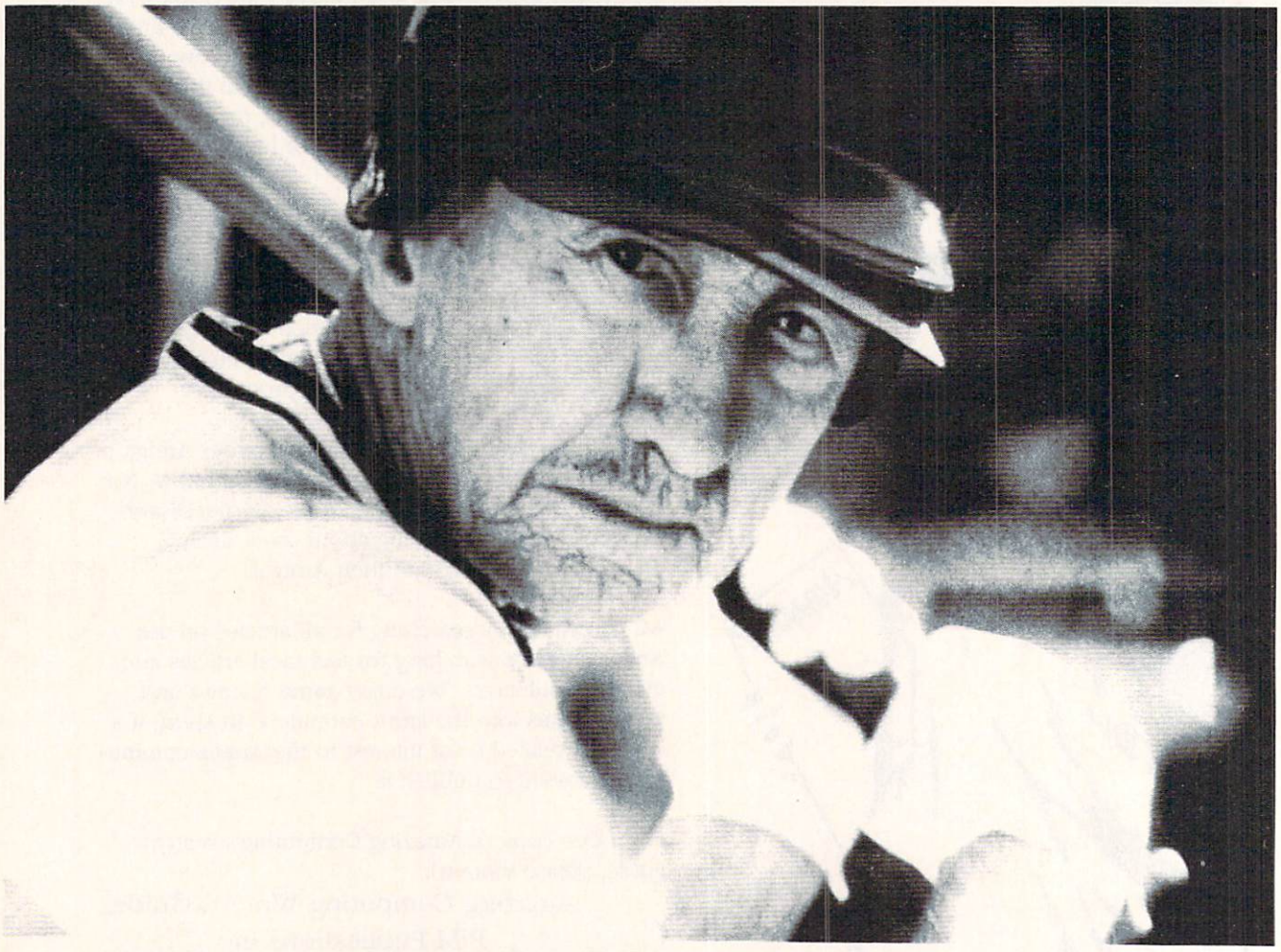

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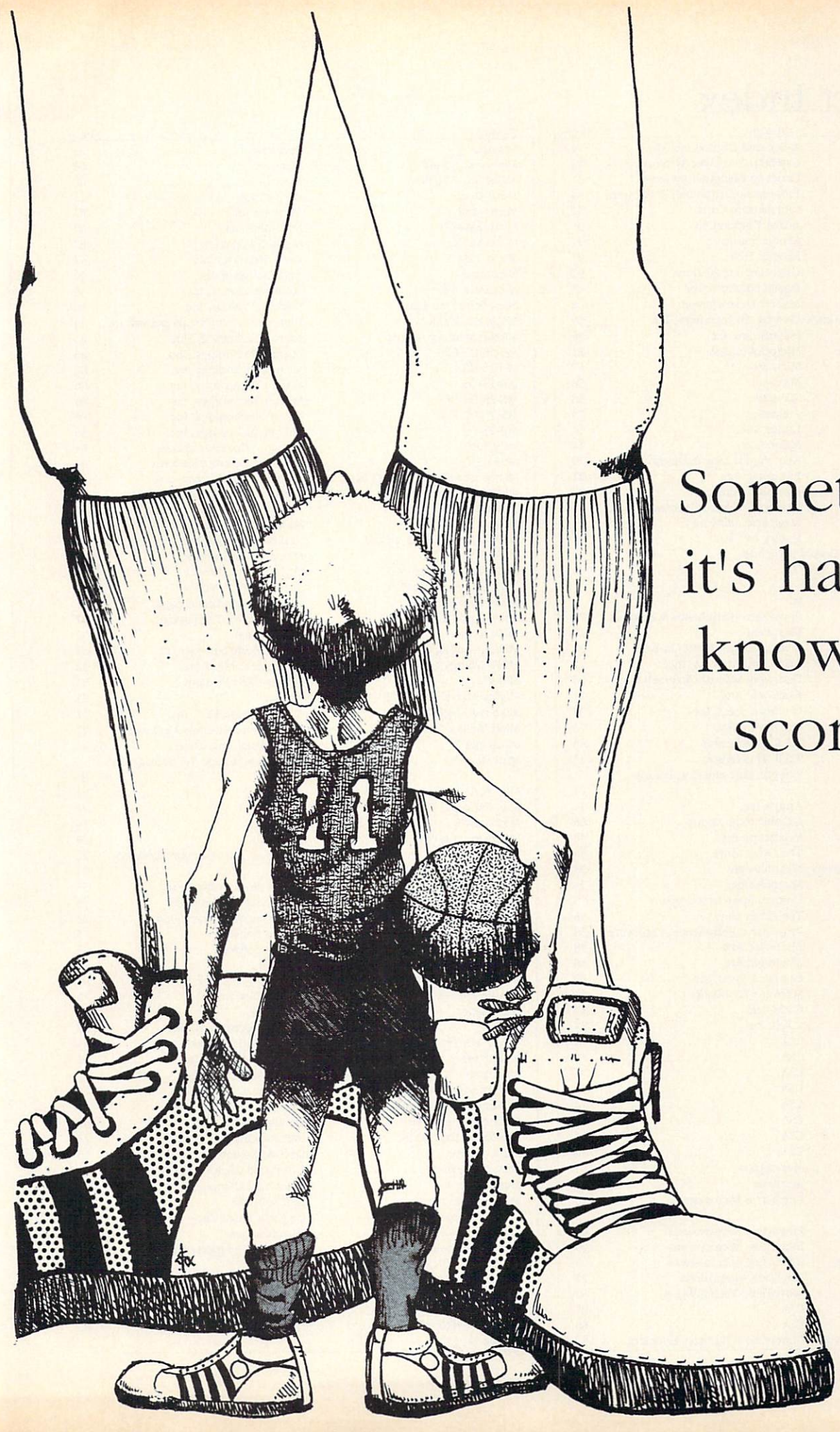

Sometimes it's hard to know the score...

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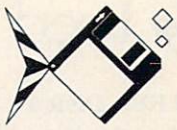
Fred Fish Disks



Fred Fish

Like Fred Fish himself, the Fred Fish Disk Library is a remarkable, unique, and valuable resource to the Amiga. Fred Fish has created a growing library of programs which demonstrate the full power of the Amiga. From graphic animations to small, specialized programs, Fred has managed to attract and collect the best of the programs that make the Amiga shine.

Fred started his collection in late 1985, at the same time Amazing Computing was contacting dealers and writers for its first issue. Fred faced a problem which confronted many Amiga users in those early days: He had a truly amazing machine on his desk, yet he had almost no software.

Fred obtained the developer disks from his dealer, learned CLI and began to explore the Amiga. He went on-line to collect as much Freely Distributable Software as possible. At the next meeting of FAUG (First Amiga User Group) Fred proudly offered his small collection to the members. Most of that club meeting was devoted to duplicating Fred's disk for the members.

Fred believed his task was over. He assumed other members would also bring their collections to the meetings, so he could share with them. Others did bring programs, but they offered them to Fred to be included in his library. Fred was given the responsibility of collecting and screening any and all Amiga software, be it Public Domain, Shareware, or software offered by its author for distribution to fellow Amiga users.

After three years, Fred's collection has reached 172 disks, with more added each month. His singular contribution as an anthologist of Amiga software has won him special awards and admiration from Amiga user groups, individuals, and Commodore Business Machines themselves. Fred is still doing what he first started to do: learning the Amiga. But we all owe Fred a great deal of thanks for his collection, which makes learning the Amiga a bit easier for us all .

The following is a list of the disks available in the Fred Fish Collection. The descriptions and comments made in these entries are those of Mr. Fish. These files were taken directly from his disks contents sections and were only edited where necessary to fit this format.

•Fred Fish Disk 1•

Released prior to March 1987

amigademo Graphical benchmark for comparing Amigas. Author: Charlie Heath (MicroSmiths)

amigaterm Terminal emulation program with xmodem upload/download capability Author: Michael Mounier

balls Simulation of the "kinetic thingy" with balls on strings where only the end balls move (quick, can YOU come up with a better description?). Anyway, cute. Author: Perry Kivolowitz

colorful Shows off use of hold-and-modify mode. Posted to usenet by Robert Pariseau.

dhrystone Dhrystone benchmark program. Author: Reinhold Weicker (Ada version) Rick Richardson (C version)

dotty Source to the "dotty window" demo on the Workbench disk. Posted to usenet by Dale Luck.

freedraw A small "paint" type program. Free drawing, boxes, filled boxes, etc. Author: Rick Ross

gad "Fun with Gadgets". Demonstration program for use of gadgets. Author: John Draper (aka "crunch")

gfxmem Graphical memory usage display program. Watch your machine's memory usage! Cute and useful. Author: Louis Mamakos

halfbrite Sample program that demonstrates "Extra-Half-Brite" mode on latter AMIGA's with new VLSI chip. Allows 64 colors in low-res mode, rather than 32. Posted to usenet by Robert Pariseau.

hello Demonstrates creation of a simple window, "hello world". Posted to usenet by Eric Lavitsky.

latffp Shows how to access the Motorola Fast Floating Point library from Lattice C. Also demonstrates the tremendous speedup obtained Author: Larry Hildenbrand

palette Sample program for designing color palettes. Author: Charlie Heath

trackdisk Demonstrates use of the trackdisk driver. Useful example of "raw" disk read/write. Author: Rob Peck

requesters Sample program and documentation for building and using requesters. John worked REAL hard to dig out all the information in this one! Author: John Draper (aka "crunch")

speech Sample speech demo program. Stripped down version of "speechtoy" Author: Rob Peck

speechtoy Another speech demo program. Cute. You have to see this one. Be sure to click gadget that pops up the face. Author: David Lucas

•Fred Fish Disk 2•

Released prior to March 1987

alib Object module librarian. Author: Mike Schwartz

cc nix-like front end for Lattice C compiler. Author: Fred Fish

dbug acro based C debugging package. Machine independent. Provides function trace, selective printing of internal state information, and more. Author: Fred Fish

make Subset of "UNIX" make command. Useful, but does not have many of the features of the full make, much less the newer "augmented make" Author: Landon Dyer

make2 Another make subset command. Author: Marc Mengel

microemacs Small, relatively portable version of emacs. Has keyboard macros. No extension language. Author: Dave Conroy

portar Portable archiver. Used to bundle text file up into a single file for transmission as a unit, or otherwise handling as a single file. "Portable" because the code itself is portable and because the archive format is very simple (uses ASCII headers to separate files). From Decus C distribution. Author: Martin Minow

xrf C cross reference utility. Originally from Decus C distribution. Author: Bob Denny

•Fred Fish Disk 3•

Released prior to March 1987

gothic Gothic banner printer. Prints DOWN the page, rather than across, so arbitrarily long banners can be created. Send EOF (CTRL-\) to end input. From a Decus C distribution several years ago.

roff A "roff" type text formatter, roughly following "Software Tools" version. Somewhat upwardly compatible with UNIX "nroff" command. Author Ken Yap

ff A very fast text formatter, controlled exclusively by command line arguments. Author: Gary Perlman & hordes of students

cforth A highly portable forth implementation. Lots of goodies. Author: Allan Pratt

xlisp A nice little lisp implementation. Compiles and links ok, but something in the Lattice C setjmp/longjmp code prevents it from currently running. Might be easily fixed. Version 1.4 Author: David Betz

Fred Fish Disks

•Fred Fish Disk 4•

Released prior to March 1987

banner Prints horizontal banner (across screen). From Decus C distribution of several years ago. Author: Unknown

bgrep Another grep like utility, also using the Boyer-Moore algorithm. Author: Roy Mongiovi and Arnold Robbins

bison A replacement for UNIX "yacc" command. This is from the GNU (GNU is Not UNIX) effort, and was obtained from the Free Software Foundation. Compiles and links (with some effort) but currently crashes the machine. Needs work, but will probably be worth it. Author: Bob Corbett and Richard Stallman

bm A grep like utility using the Boyer-Moore algorithm. Author: Peter Bain

grep Decus grep (Get Regular Expression and Print). Useful for finding strings in files. Author: Unknown

kermit This is an absolutely ancient kermit, who's only saving grace is that it is small and quite portable. On the AMIGA, there is no connect mode, only send and receive. You must log into the remote machine via one of its local terminals and point its kermit at the appropriate serial line connected to the AMIGA. Author: Unknown, but it is so hacked up it doesn't matter by now.

MyCLI Another CLI for the AMIGA. Author: Mike Schwartz

mandel A Mandelbrot set program. Author: Robert French, with additions by RJ Mical

•Fred Fish Disk 5•

It contains many of the programs, written by Commodore-Amiga people, that were included in FF1. However, the programs have been cleaned up so that they compile cleanly on the AMIGA, return resources allocated, etc. Released prior to March 1987.

cons Console device demo program with supporting macro routines. Author: Rob Peck

freemap Creates a visual diagram of free memory. Comes with custom icon so can be run from workbench screen. Author: Robert J. Mical

input.dev In combination with hander.interface.asm (supplied), lets a user trap keyboard or mouse events before they get to Intuition and if desired, install new (phony/ generated /other-devices-mouse-simulations) into the input stream. Handler.interface.asm is needed to convert the calling sequence performed by the input.task for the input stream management into something that a C program can understand. Author: Rob Peck 12/1/85

joystick Shows how to set up the gameport device as a joystick. Reports parameters received from joystick hooked to right port. Author: Rob Peck

keyboard Sample program to demonstrate direct communications with the keyboard. Author: Rob Peck

layers Shows use of the layers library, used by Intuition to create windows (layers handles all overlapping drawing areas and keeps things straight, sending to the back, bringing to the front, making larger/smaller, etc.) Author: Rob Peck

mandelbrot Latest and greatest mandelbrot program. New features include the ability to save images in "IFF" format, for reading into Deluxe Paint or other programs that use IFF. Also includes code from GraphiCraft to handle color palette and change colors at will. Many additions by RJ Mical. Author: Robert French

mouse Shows how to set up the gameport device as a mouse so that hooking up the mouse to the right port gives access to mouse information. Author: Rob Peck

one.window Produces a window with a console attached. Does graphics in the top half and limits the console activity to the lower half. Author: Rob Peck 12/18/85

parallel Demonstrates access to the parallel port. Author: Tom Pohorsky

printer Shows how to open and use a printer, does a screen dump of the workbench screen if there is a graphics-capable printer attached. Currently does not compile under Lattice C Ver3.02 and does not link under Lattice C Ver3.03. Author: Rob Peck 12/1/85

print.support Printer support routines. Currently won't compile, missing a header file "local.h". Author: unknown

proctest Sample code to create a process, set up message ports, pass messages, etc. Sample slave code for create process test (littleproc.c) currently does not link under either Lattice C 3.02 or 3.03 (unresolved global variables not in libraries) Author: Rob Peck

region Demonstrates how a drawing area can be split into linked rectangular regions. Draws a rectangle in a single playfield display, then draws "Behind a Fence" several times behind an apparent fence in the rectangle. Only works under Lattice Ver3.03. Author: Rob Peck

samplefont A sample font that produces clubs, hearts, spades, and diamonds as its four characters. Shows precisely what is contained in an Amiga font. Author: Unknown

serial Demonstrates access to the serial port. Requires an external terminal connected to the serial port. Author: Unknown

singlePlayfield Creates and displays a 320 by 200 by 2 bit plane single playfield display. Completely covers Intuition's display, but gives the system back at exit. Author: Rob Peck

speechtoy Latest and greatest version of Dave's cute speech demo program. Comes with custom icon so you can be run from a workbench screen. Author: Dave Lucas

speech.demo A much simplified version of speechtoy. Also includes exec support functions for extended IO requests, CreateExtIO() to allocate and initialize a new IO request block and DeleteExtIO() to free an extended IO request block Author: Rob Peck

text.demo Sample program that asks AvailFonts() to make a list of the fonts that are available, then opens a window and then prints a description of the various attributes that can be applied to the fonts, in the font itself. Previous versions were released as "whichfont". Author: Rob Peck

timer Simple timer example program. Includes dynamic allocation of data structures needed to communicate with the timer device, as well as the actual device IO. Author: Rob Peck

trackdisk Demonstrates use of trackdisk driver. Useful example of "raw" disk read/ write. Author Rob Peck

•Fred Fish Disk 6•

Released prior to March 1987

compress Compress reduces the size of the named files using adaptive Lempel-Ziv coding. The amount of compression obtained depends on the size of the input, the number of bits per code, and the distribution of common substrings. Typically, text such as source code or English is reduced by 50-60%. Compression is generally much better then that achieved by Huffman coding (as used in "pack") or adaptive Huffman coding (as used in "compact"), and takes less time to compute. Great for saving disk space, or reducing transmission time over phone lines! Also includes "btoa" and "atob" for converting binary files to ASCII, and then back to binary (for transmission over links that do not support 8 bits). Author: Thomas Spencer, with improvements by others.

dadc A digital computer impersonating an analog clock impersonating a digital clock. Author: Perry S. Kivolowitz

microemacs An upgraded version of microemacs originally distributed on FF2. The new executable is about 25% larger. One enhancement is that some functions are now also bound to function keys. Author: Dave Conroy, with enhancements by Jack Roose.

mult Mult reads the input comparing adjacent lines. In the normal case, the second and succeeding copies of repeated lines are output, and the remainder of the lines are removed. Repeated lines must be adjacent in order to be found. Options are present to output the first of multiple lines, for comparing adjacent lines by field only, and for specifying the field separator character. Kind of the opposite of the UNIX "uniq" program. Author: Dennis

scales
Demonstrates use of the Audio functions in the ROM to produce four voice sounds. It uses a simple waveform (sawtooth) with no amplitude control (ie, envelope) or frequency variation (ie, vibrato), but these can be easily implemented. Also includes considerable documentation on audio device. Author: Steven A. Bennett

setparallel Allows the CLI user to dynamically change any particular parallel port parameter. Author: Keith Stobie and Tom Pohor

skysetserial Allows the CLI user to dynamically change any particular serial port parameter. Author: Keith Stobie and Tom Pohorsky

sortc A quicksort based sort program, using separate driver and sort modules. Originally from a DECUS C distribution. Claims to be fast, but when operating entirely out of RAM takes 93 seconds to sort its input file, sort.c, while AmigaDOS's sort takes only 43 seconds under the same conditions Author: Dave Conroy, Martin Minow, and Ray Van Tassle

stripc Strips comments and extraneous whitespace from C source files. Useful for compacting the C header files to increase usable disk space. Author: Chris Metcalf

•Fred Fish Disk 7•

Released prior to March 1987

Hack a port (executables only) of the popular UNIX game "Hack", courtesy of John Toebes, 120 H Northington Pl, Cary NC. 27511.

•Fred Fish Disk 8•

Released prior to March 1987

Hack the source to "Hack", a popular UNIX game ported to the AMIGA by John Toebes.

•Fred Fish Disk 9•

Released prior to March 1987

moire Draws moire patterns in black and white in a borderless backdrop window. Currently only runs with Lattice C version 3.02, when compiled with 3.03 crashes the system. Author: Scott Ballantyne

MVP-FORTH Mountain View Press Forth, version 1.00.03A. A shareware version of forth from Fantasia Systems. Runable from the workbench, comes with icons and such. If you use this, you should send a contribution to Fantasia Systems / Mountain View Press.

proff Another text formatting program. This one is significantly more powerful than any of the others previously distributed on these disks.

setlace Program to toggle interlace mode on and off. When used with a black background, and amber or green characters, produces a nice CLI environment. Author: Bob Pariseau

skewb Not quite sure what this is supposed to be, it was downloaded from a BBS with no documentation. C'mon folks, at least put a three line description at the start of your programs! Author: Raymond S. Brand

sparks Graphics demo that draws a "moving pathway", adding to the front and removing from the tail (sure is hard to come up with verbal descriptions of these things!) Author: Scott Ballantyne

•Fred Fish Disk 10•

Released prior to March 1987

conquest You control an interstellar empire, decide which star systems to explore, which planets to colonize, etc. The computer will also be building its own empire and competing with you for resources. The one with the greatest population at the end wins. Executable only, no source. Downloaded from Denver BBS. Author: Unknown, ported to Amiga by Rob Shimbo

dehex Simple little program to convert hex format file into a binary file. Reads lines of hex characters on stdin and writes 8 bit dehex'd bytes to stdout. Author: Fred Fish

filezap Patch program for any type of file. Executable only, no source available. Author: John Hodgson

fixobj Strip extraneous garbage off end of object files transferred with xmodem. Does not require pre-knowledge of actual file length, uses knowledge of Amiga file structure. Author: John Hodgson

IFF Routines to read and write IFF format files. Includes program to display IFF files made by DPaint. Also see the DPSlide program on disk 11. Author: Jerry Morrison, Steve Shaw, and Steve Hayes

ld I presume this stands for "list directory". Lists contents of specified directory or disk, using inverse video and colors to group objects by type. Author: Dave Haynie

ls Minimal Implementation of UNIX ls. Demonstrates use of UNIX style file name pattern matching code. Author: Rick Schaeffer

sq.usq Squeeze and unsqueeze, from the CPM world. Works, but "compress" from disk 6 runs almost twice as fast and produces even smaller files. Author: R. Greenlaw, Amiga port by Rick Schaeffer

trek73 A Star Trek game. This one is just crying out to be Amigaized by some ambitious hacker. Authors: Many, see comment in main.c

yachtc Dice game. Author: Sheldon Leemon

•Fred Fish Disk 11•

Released prior to March 1987

dpslide A slide show program for displaying graphic images which are in the IFF format, such as output from the Electronic Arts Deluxe Paint program. Allows the user to select the display time for each slide and the method of bringing the slide up to the screen, and then removing it. Double buffers images to improve smoothness of display. Author: Paul Biondo

pictures Miscellaneous DPaint and digitized pictures, in IFF format. Some are rated

•Fred Fish Disk 12•

Note that this disk contains a number of programs apparently available only in executable form. I am not real happy with this trend, but I had no way of getting in contact with the authors who posted these programs to various BBS's to request source. I have no reason to believe that any of these executable only postings contain any deliberate "misfeatures", but you should always use such programs cautiously. Released prior to March 1987

amiga3d Shows a rotating 3 dimensional solid "Amiga sign". No source available, executable only (downloaded from a Denver BBS). Author: Barry (bart) Whitebook of C-A

ArgoTerm Yet another terminal emulator program. However, this one is written in macro assembler, so should be of interest to anyone doing serious assembly language development. Version 0.20 Author: Jez San

arrow3d Shows a rotating 3 dimensional wire frame arrow. No source available, executable only (downloaded from a Denver BBS). Author: Steve Beats of C-A

ld4 Another directory listing program using some graphics style output. Executable only, no source available. (Downloaded from a Denver BBS) Author: unknown

IconExec These two tools allow execution of a program from a SetWindow icon without having to recompile the program. Author: John Toebes VIII

images Miscellaneous DPaint and digitized pictures, in IFF format. Some are rated R.

SetAlternate Merge the images from two icons to produce one icon with a primary image, and a possibly completely different image to display when selected. Author: John Toebes VIII

StarTerm
Another terminal emulator program. ASCII and XMODEM support, telephone dialer, function keys, load file stripping, text file conversion, full/half duplex, Author: Jim Nangano and Steve Plegge

•Fred Fish Disk 13•

The following is a grab bag of basic programs, mostly untested. No speekee basicso if these don't work, call someone else.

3dsolids addbook algebra amgseq1 amiga-copy band bounce box brickout canvas cardfi circle colorcircles Copy cubes1 cutpaste dart date dogstar dragon

Fred Fish Disks

draw dynamictriangle Eliza ezspeak ezterm fillibuster fractal fscape gbox gomoku haiku hal9000m halley hauntedM hidden join Jpad loz mandel mandlebrot menu minipaint mostriper mouse Orthello patch pena pinwheel random-circles Readme rgb rgbtest ror Rord sabotage salestalk shades shapes shuttle sketchpad spaceart speakspeach speecheasy spell sphere spiral striper superpad suprshr talk terminal termtest tom topography toybox triangle wheels xenos xmodem

•Fred Fish Disk 14•

This disk contains the first ever public release of two new pieces of code, "dex" and "termcap". Also, this is the first disk in the library that includes executables produced with both the Manx and Lattice Compilers, whenever possible. This greatly helps to isolate bugs. Released prior to March 1987

amiga3d Shows a rotating 3Dimensional solid "AMIGA"

sign. This is an updated version of the program released on FF12, and now includes full source. Author: Barry Whitebook @ Commodore-Amiga

beep Source for a function that generates a beep sound, like CTRL-G on a VT100 terminal. Author: Samuel Dicker @ Commodore-Amiga

dex Program to extract documentation in a human readable format inside source files, and produce nroff style output for manuals and other such external documents. First ever public release. Author: Fred Fish

dimensions Programs to demonstrate three and four dimensional graphics. Not quite sure how else to describe them! Author: Anselm Hook

filezap An updated version of the file zap utility first released on FF10. Can be used to patch any type of file. Nice, and VERY useful. Author: John Hodgson

gfxmem An updated version of the graphical memory display program first released on FF1. Watch your machine's memory usage change dynamically under use! Author: Louis Mamakos

gi Converts DPaint brush files to C source files "necessary to create an Image structure, including height, width, depth, and color information, as well as the array of data which represents the bit planes of the image". Author: Mike Farren

pdterm A simple terminal emulator that does ANSI or DEC VT-100 emulation in 80 cols by 25 lines. Version 1.21. Author: Michael McInerny

shell A simple csh style shell with history and some other goodies. Still needs some polishing and enhancement, but is quite nice as it. Thanks Matt!!! We've really needed something like this for a long time. Now if you would just do a ksh version instead...Author: Matt Dillon

termcap A (mostly) UNIX compatible implementation of a termcap library. First ever public release. Author: Fred Fish

•Fred Fish Disk 15•

Whenever possible, both Lattice C and Manx C executables are provided. The Lattice executables have the extension ".lattice" and the Manx executables have the extension ".manx". This greatly helps to isolate bugs. Released prior to March 1987

Blobs A simple graphics program, reminiscent of the UNIX "worms" program, but in color of course. Author: Peter Engelbrite

Clock A simple digital clock program designed to be small and to live completely in the screen title bar, where it is out of the way. Author: Mike Meyer

Dazzle
An eight-fold symmetry dazzler program. Really pretty! Author: Peter Engelbrite

Fish "A demo program which runs an AnimOb in a double buffered screen with sequence cycled animation". (Basically shows a fish "swimming" across the top of the screen). Author: Catherine Wagner (posted by Barry Whitebook)

Monopoly A really nice monopoly game written in ABasiC. Follow the directions in the file "Installation Guide" to produce a bootable games disk. Author: David Addison

OkidataDump Okidata ML92 driver and WorkBench screen dump program. Does both alpha and graphics. Untested (I don't have the printer). Author: Raimund Gluecker

Polydraw A drawing program written in ABasiC. Author: David Addison

Polyfractals A fractal program written in ABasiC. Author: David Addison

•Fred Fish Disk 16•

This is a copy of the Amiga Developer's IFF disk, received directly from Commodore-Amiga sources, with permission to place in the library and redistribute. Released prior to March 1987

•Fred Fish Disk 17•

This is a copy of a HAM (Hold And Modify) graphics demo disk hardware to capture such images, and software to process them. The 'showilbm' program has been added to allow viewing of the two monochrome pictures (dozer.hires and robert.lores) without requiring Deluxe Paint.

The supplied 'readme' file has been augmented with information received on hardcopy along with the disk, and a note has been added about how to use the showilbm program. Enjoy-Fred. Released prior to March 1987

•Fred Fish Disk 18•

Released prior to March 1987

AmigaDisplay Yet another variation of a terminal emulator program. This is a modified AmigaTerm that can emulate a dumb terminal (interesting paradox here somewhere...), translate line termination sequences, optionally capture or discard control characters in the captured file, use audible bell, use another font, etc. Author: Don Woods (Original code by Michael Mounier)

Ash Prerelease version of a C-shell like shell program. Has history, command substitution, loops, etc. Author: Thorn Smith

Browser A program that lets you wander around a file tree and peek into files, all with the mouse. Author: Mike (I'll be mellow when I'm dead) Meyer

MC68010 Complete information package for upgrading an Amiga to use an MC68010 in place of the MC68000. Includes a software fix that makes this transparent to user programs that use instructions that are privileged on the 68010 Author: Thad Floryan

Multidim Lets you rotate a 2 to 6 dimensional "cube" on the screen using the joystick. Author: Robert French

PigLatin Tired of the "say" command? This one will translate and speak your input in pig latin! Author: Thomas Clement

Scrimper Short for "SCReen IMage PrintER". A screen dump utility which can be run from the workbench or the CLI. Author: Perry Kivolowitz

Xlisp1.6 A very nice little lisp for those that want to study the internals of a real, working lisp interpreter. Author: Dave Betz

•Fred Fish Disk 19•

Released prior to March 1987

BlackJack A line oriented (no graphics) blackjack game. Author: Unknown

JayMinerSlides These are the Amiga slides produced/used by Jay Miner (the designer of Amiga's custom graphics chips) in his talks about the Amiga. They are all hi-res (640 x 400) and are best displayed on a long-persistence color monitor

.Keymap_Test A program to test the keymapping routines and find possible bugs. Useful as an example of keymapping. Author: Pushpa Kumar

LockMon Find file locks. Useful for discovering if programs properly clean up after themselves. Author: Dewi Williams

•Fred Fish Disk 20•

Released prior to March 1987

AmigaToAtari Source code for an Amiga to Atari ST object code format converter. Takes Amiga objects as input and produces Atari

objects as output. This allows the Amiga to be used as a cross development machine providing the proper libraries are available. (Currently does not work, but I don't have an ST to try it with anyway...) Author: Landon Dyer at Atari Corp.

DiskSalv Program to recover files from a trashed AmigaDOS disk. Can also "undelete" files deleted by mistake, so long as they have not overwritten by further disk activity. Requires two disk drives. VERY useful... Author: Dave Haynie

Hash Small example program that computes the AmigaDOS directory hash function. Author: Neil Katin at Commodore-Amiga

Hd Hex dump utility using some ideas from Mike Higgin's article in Computer Language magazine, Apr 86. Formats the dump based on the natural byte ordering of the machine on which it runs. Author: David Elins at NEC Information Systems

MandelBrots Some mandelbrot images submitted for the "mandelbrot images contest" some months ago. Only three people submitted mandelbrots and these were among the most interesting.

MultiTasking Tutorial and example program for multitasking at the Exec level Author: Leo L. Schwab

Pack Program to strip extraneous whites pace from C programs or header files. Can be used to condense the C compiler header files to free up disk space. Author: Jeff Dickson

PortHandler A sample Port-Handler program that performs the functions of the standard Port-Handler. Shows what the BCPL environment looks like from the handler point of view Author: John Toebus VIII

Random Random number generator in assembly. Much faster than versions using floating point. Can be used by either assembly or C programs. Author: Steve Beats at Commodore-Amiga

SetMouse2 Program to set the mouse port to either the left port or right port. Author: Robert Burns at Commodore-Amiga

SpeechTerm Terminal emulator that can speak the received text. Also has XMODEM file transfer. Author: Leftheris Koutsofios

Txed Demo version of an editor that has since been renamed as TXed (I believe). Author: Charles Heath at MicroSmiths

•Fred Fish Disk 21•

Released prior to March 1987

Mandelbrot Set Explorer This is a copy of Thomas Wilcox's Mandelbrot Set Explorer disk. To run from CLI: 1) cd dfX: (where X is drive containing disk)=2) mse. To run from Workbench: 1) Click on MSD icon. It contains extensive on-line help information, unlike other Mandelbrot programs distributed in this library. It also is capable of displaying some very pretty hi-res pictures in interlace mode. Enjoy-Fred.

•Fred Fish Disk 22•

This disk contains two new "strains" of microemacs, both derived from early releases of Dave Conroy's microemacs. There is currently an attempt on usenet, lead by Dave Brower, to coordinate an effort to merge features from the different versions into a single supported microemacs. In the meantime, perhaps you can find a feature you need in one of these... Released prior to March 1987

Lemacs Microemacs version 3.6 as enhanced and supported by Daniel Lawrence. This version works and has been tested on UNIX V7, BSD 4.2, Amiga, MS-DOS, and VMS. Enhancements include overwrite mode, support for Amiga function keys, reverse video status line, numeric arguments using <ESC><number>, replace, buffer specific editing modes, word wrap mode, goto-line, buffer rename, insert-file, execute named command, describe bindings, startup files, and more. Author: Dave Conroy, enhancements by Daniel Lawrence

Pemacs Microemacs as enhanced by Andy Poggio. New features include use of <ALT> keys as Meta keys, default buffers on buffer switch, mouse support, higher priority to improve interactive response, creation of backup files, paragraph fill, word wrap, query replace, and support for function keys Author: Dave Conroy, enhancements by Daniel Lawrence

•Fred Fish Disk 23•

Released prior to March 1987

MicroEmacs This disk contains a significantly enhanced version of microEmacs based\on the version 30 release posted to usenet's mod.sources news group. Previous versions of microEmacs released on these disks derived from a very old version of microEmacs. Since that old release, the author has cleaned up lots of loose ends and restructured major parts of the code. Other people have added support for termcap, ports to other machines and operating systems, and a limited GNU emacs compatibility option. Because recipients of this disk might wish to run this new microEmacs on other machines in addition to the Amiga, I have included all sources that were available to me at the time of release. The sub directories which give alternate implementations are: Sys/Vms System modules for VAX VMS Sys/Atari System modules for Atari ST Sys/MS-DOS System modules for MS-DOS Sys/Cpm86 System modules for Cpm Sys/ Amiga System modules for Amiga Sys/Ultrix System modules for Ultrix/BSD4.2 Sys/SysV System modules for UNIX System V Tty/Atari Terminal driver for Atari ST Tty/7300 Terminal driver for AT&T UNIX PC (7300) Tty/Intuition Terminal driver for Amiga using Intuition Tty/Termcap Terminal driver using termcap for UNIX Tty/Ansi Terminal driver using ANSI codes Tty/AmigaDOS Terminal driver for Amiga using just AmigaDOS Tty/Heath Terminal driver for a Heath terminal. There currently is a major effort underway on usenet, ed by Dave Brower, to standardize microemacs and bring the many variations under one common implementation. Please send any enhancements to rtech!daveb, or send them to me and I will see that he gets them.

•Fred Fish Disk 24•

Released prior to March 1987

Conquest You control an interstellar empire, decide which star systems to explore, which planets to colonize, etc. The computer will also be building its own empire and competing with you for resources. The one with the greatest population at the end wins. First distributed in executable form only on FF10. This distribution includes source. Author: Unknown, reported to Amiga by Rob Shimbo Second release of a csh-like alternative to the CLI, first released on FF14. Has alias, built in functions like "dir" for speed, history, named variables, command re-execution with substitution, etc. Author: Matt Dillon

Modula-2 A pre-release version of the single pass Modula-2 compiler originally developed for MacIntosh at ETHZ. This code was transmitted to the Amiga and is executed on the Amiga using a special loader.

•Fred Fish Disk 25•

Released prior to March 1987

Hack This is an updated version of the UNIX game "Hack", from Fred Fish Disk 7, now Version 1.0.1E., with graphics enhancements for the Amiga. Disk contains a port (executables only). Courtesy of John Toebes, 120 H Northington Pl, Cary NC. 27511.

•Fred Fish Disk 26•

Released prior to March 1987

UnHunk Tool to process the Amiga "hunk" loadfile format. Collects code, data, and bss hunks together, allows individual specification of code, data, and bss origins, and generates binary file with format reminiscent of UNIX "a.out" format. The output file can be easily processed by a separate program to produce Motorola "S-records" suitable for downloading to PROM programmer. Author: Eric Black

C-kermit Port of the popular "kermit" program, a flexible virtual terminal and file transfer program from Columbia University. Author: Unknown, ported to Amiga by Davide Cervone

Ps A program to display process priorities and another program to set a process's priority to any arbitrary valid value. Very useful to provide finer control over your multitasking environment. Author: Dewi Williams

Archx Yet more programs for bundling up text files and mailing or posting them as a single file unit. Author: Martin Minow

Fred Fish Disks

•Fred Fish Disk 27•

Released prior to March 1987

ABdemos AmigaBASIC demos. NewConvertFD creates .bmaps from fd files. BitPlanes finds addresses of and writes to bitplanes of the screen's bitmap. About Bmaps is a tutorial on creation and use of bmaps. LoadILBM loads and displays IFF ILBM pics. LoadACBM loads and displays ACBM pics. ScreenPrint creates a demo screen and dumps it to a graphic printer. Author: Carolyn Scheppner, Commodore-Amiga

Disassem A simple 68000 disassembler. Reads standard Amiga object files and disassembles the code sections. Data sections are dumped in hex. The actual disassembler routines are set up to be callable from a user program so instructions in memory can be disassembled dynamically. Author: Bill Rogers, Univ. of WAIKATO (New Zealand)

DvorakKeymap Example of a keymap structure for the Dvorak keyboard layout Untested but included because assembly examples are few and far between. Author: Robert Burns @ Commodore-Amiga

Hypocycloids An electronic Spirograph inspired by an article in Feb '84 Byte Author: Terry Gintz

LinesDemo A demo program which illustrates the use of proportional gadgets to scroll around in a superbitmap window. Posted to usenet by Barry Whitebook @ Commodore-Amiga MemExpansion Schematics and directions for building your own home brew 1 Mb memory expansion. Author: Michael Fellinger

SafeMalloc Ever have a program that corrupts its own memory? Well, this little gem can help you find the problem in a hurry. Acts as an interface between your program and the real malloc, checking for overrun, under run, and duplicate freeing of malloc'd space. Author: Bjorn Benson, modifications by Fred Fish

ScienceDemos Some science demos. Sidereal is a tutorial program which introduces the user to the relationships between Julian and calendar dates and solar and sidereal times. J2000 is a utility program which converts stellar positions, proper motion, parallax and radial velocity from the standard epoch B1950 (FK4) to epoch J2000 (FK5). Galilean is a tutorial program which determines the position of the Galilean satellites relative to Jupiter. Programs courtesy of David Eagle at Science Software.

•Fred Fish Disk 28•

Released prior to March 1987

Backgammon Another game in ABasiC by the author of Monopoly. Author: David Addison

Cpp This is a copy of the Decus cpp, ported to the Amiga. This cpp is more powerful and complete than either of the built in cpp's in Manx or Lattice C. Also included is a modified version of the UNIX like cc frontend, for Manx C, that knows about the cpp. Author: cpp by Martin Minow; cc by Fred Fish

Cribbage Another game in ABasiC by the author of Monopoly. Author: David Addison

MileStone Another game in ABasiC by the author of Monopoly. Author: David Addison

Othello Another game in ABasiC by the author of Monopoly. Author: David Addison

Shar A program which can pack and unpack archives compatible with the UNIX "shar" (shell archiver) program. Author: Dave Wecker

SuperBitMap An example program that shows how to use ScrollLayer, how to sync the SuperBitMap prior to printing, and how to create a dummy rastport for dumping the SuperBitMap. Works under 1.2 and up. Author: Carolyn Scheppner and Phil Lindsay

•Fred Fish Disk 29•

Released prior to March 1987

AegisDrawDemo Demo disk of the Aegis Draw program. This is the actual production program with only the "save" feature disabled and without documentation (intentionally). Very impressive program! Received directly from Aegis Development. Cc Version of the UNIX like C compiler front end program, for Manx C. Previous released version was for Lattice C. Author: Fred Fish

Enough A new CLI execute file command that tests for various system resources such as available memory or existence of specific files, directories, or devices. Author: Bruce Barrett @ Commodore-Amiga Player Animation player for Aegis Animator. Received directly from Aegis Development.

Rubik An animated Rubik's cube program based on Barry Whitebook's "amiga3d" program and Raymond Brand's "skewb" program. Author: Bill Kinnersley

StringLib A public domain reimplementation of the UNIX string library functions Author: Henry Spencer @ U of Toronto

Vt100 A vt100 emulator program with Kermit and Xmodem file transfer protocols (based on AmigaTerm). Author: Dave Wecker

•Fred Fish Disk 30•

Note that the programs on this disk are all shareware/freeware. This means that if you find them useful, you are morally obligated to send a small donation to the author to help support his efforts and fund further development. I hope that by including them in this library I have furthered the author's goals of widest possible distribution and thus maximum return. Released prior to March 1987

BBS A BBS for the Amiga (BBS-Amiga Version 1.1). Author: Ewan Grantham Author's suggested shareware donation: $25

FineArt This is a collection of works from some of the best of current Amiga artists. Many thanks to Jim Sachs, Sheryl Knowles, Jack Haeger, and Aegis Development for submissions.

FontEditor Does what the name implies, edits fonts. Author: Tim Robinson Author's suggested shareware donation: $5

MenuEditor Create and edit menus, saving the result as either a binary file for further editing or as C source for inclusion in a program. Author: David Pehrson Author's suggested shareware donation: $15

StarTerm Starterm version 3.0. Very nice telecommunications program Author: Jim Nangano Author's suggested shareware donation: $20

•Fred Fish Disk 31•

Released prior to March 1987

Life Executes the cellular automata game of LIFE in the blitter chip. Uses a 318 by 188 display and runs at 19.8 generations per second. Author: Tomas Rokicki

Mandelbrot Latest version of Robert French's mandelbrot program, version 3.00 Author: Robert French

MxExample Example of mutual exclusion gadget handling. Author: Davide Cervone

RAMSpeed Program to measure raw memory speed, comparing internal memory to the external memory. Author: Perry Kivolowitz

Set Replacement for the Manx "set" command (to set or change environment variables) with several improvements Author: Tomas Rokicki

Tree Draws a recursive tree (green leafy type, not files). Author: Robert French (original version by W. Balthrop)

TxEd Latest demo version of MicroSmiths' text editor, TxEd. This is the full production version except that files are limited to 10K bytes in length and the search/replace functions are disabled. Also, demo is based on an older version of TxEd, new release has additional features. Author: Charlie Heath

VDraw Drawing program, based on freedraw, but now transformed and enhanced beyond recognition. Draws hollow boxes, filled boxes, freehand sketches, lines, circles, and arcs. Also has area fill, text insertion, 16 different line patterns, predefined area fill patterns, a magnify mode, cut and paste, color inversion, erase, grid pattern, and more. This is version 1.08. Author: Stephen Vermeulen

Xicon Contains two programs; Xicon which lets you use icons to call up scripts containing CLI commands, and Ticon, which is a simple program to display text files from icons. Author: Pete Goodeve

•Fred Fish Disk 32•

Released prior to March 1987

Address Extended address book written in AmigaBASIC. Author: Mark Hurst

Calendar Calendar/diary program written in AmigaBASIC. Author: Mark Hurst

DOSPlus1 First volume of CLI oriented tools for developers. Executables only Author: Bill Beogelein

DOSPlus2 Second volume of CLI oriented tools for developers. Executables only Author: Bill Beogelein

MacView Allows viewing of a standard MacPaint picture file in either Amiga low resolution (320 x 200) or high resolution (640 x 400). Executable only. Author: Scott Evernden

Puzzle Simulation of a puzzle with moving square tiles. Executable only Author: Bill Beogelein

ShowHAM Program to display HAM (Hold And Modify) mode images from the CLI environment. Executable only. Author: Unknown

Solitaire Two new ABasiC games, Canfield and Klondike. Author: David Addison

Spin3 Simple program that creates spinning cubes and transforms them into op-art. Example of how to create a double buffered display with color tables that can be changed. Author: Ronald Peterson

Sword Sword of Fallen Angel. Text adventure game written in AmigaBASIC. Author: Andry Rachmat

Trails Cute little program that leaves a trail behind the pointer when the mouse is moved. The trail has programmable symmetry, thickness, and length. The other interesting thing about this program is that it is written in Modula-2 (source provided). Author: Richie Bielak

•Fred Fish Disk 33•

Released prior to March 1987

3dstars 3D version of Leo's "stars" program (also on this disk). Author: Leo Schwab

Bigmap Program which demonstrates how to use the low-level graphics calls, ScrollVPort especially. Demonstrates scrolling around inside a very big bitmap. Author: Leo Schwab

Dbuf.gels Sample program that demonstrates the animation routines for Bobs and VSprites. Uses double buffering to smooth the display motion Author: David Lucas

DiskMapper Displays sector allocation of floppy disks. Author: Leo Schwab

MemView Program which sets up a direct window into RAM, thus dynamically displaying the contents of memory. Author: Leo Schwab

Oing Displays a window full of little bouncing balls. Author: Leo Schwab

ScreenDump Dumps rastport of highest screen/window to printer. Author: Carolyn Scheppner

Sdb Simple database program, originally released on aDECUS VAX SIGtape. Author: Unknown, Amiga port by Mic Kaczmarczik

Sproing Same as Oing but includes sounds of balls colliding with boundaries. Author: Leo Schwab

Stars Displays a screen full of stars, reminiscent of a view from the starship Enterprise's flight deck. Author: Leo Schwab

TermPlus Yet another variant of Michael Mournier's AmigaTerm program. This one includes improved ASCII capture, CRC and checksum xmodem protocol transfers, CompuServe B-protocol transfers, a phone library, function key support, and limited AmigaDOS functions. Author: Enhancements by Bob Rakosky

Vt100 Release 2.0 of Dave's version of AmigaTerm. Includes support for function keys and script files. Author: Enhancements by Dave Wecker and SteveDrew.

•Fred Fish Disk 34•

Released prior to March 1987

Alint Support files for Gimpel lint to make it useful on the Amiga Author: Thomas Althoff

Blink A linker written as a replacement for Alink. Fully Alink compatible and supports many additional options not found in Alink. Also is much faster than Alink and generates smaller executable files. Version 5.7 Author: Combined efforts of the Software Distillery

Browser Updated version of the browser program released on FF18. This one has been "manxified", has scroll bars, and several bugs fixed. Author: Mike Meyer, enhancements and fixes by Bob Leivian

Btree Routines to implement a B-tree algorithm and several accompanying tests, apparently derived from the single file version also included on this disk under "Btree2". Still buggy, but looks useful with a little work. Author: Richard Hellier, posted to usenet by Steve Jefferson

Btree2 Previous (original) version of btree routines. Author: Richard Hellier

Calendar Appointment calendar which lets you visually add and update appointments. Can also run in background and remind you 15 minutes before any scheduled event. Amiga port by Bob Leivian

Less Like UNIX "more", only better, with forward and backward scrolling, searching and positioning by percent of file and line number, etc. Very useful! Author: Mark Nudelman, Amiga port by Bob Leivian

NewFonts Set of 28 new Amiga fonts. Author: Bill Fischer

Pr A background print utility with several options for letter quality compressed mode and line numbers. Also takes multiple files and wildcards. Author: Bob Leivian

Requester A file name requester that looks like the one used in Deluxe Paint, and a sample program for using the requester. Author: Kevin Clague

•Fred Fish Disk 35•

Released prior to March 1987

ASendPacket Example program for sending multiple packets asynchronously to a DOS handler, for those interested in implementing programs with a synchronous AmigaDOS file I/O. Author: Phillip Lindsay

ConsoleWindow Example program for finding the intuition pointer to an AmigaDOS CON: or RAW: window, so you can do WindowToFront, graphics, and other interesting things. (Requires AmigaDOS 1.2) Author: Andy Finkel and Robert Burns

DirUtil Nice little program to wander around directory tree using a windowing interface and performing various operations on files. Author: Chris Nicotra, enhancements by Dave Jobusch

DirUtil2 Another variant of dirutil.Author: Chris Nicotra, enhancements by Ed Alford

FileRequester A very nice file requester module for lattice C programs, along with a demo driver program. Author: Charlie Heath

MacView Allows viewing of standard MacPaint picture files in either Amiga low resolution (320 x 200) or high resolution (640 x400). Executable, sample pictures, and icons (version on disk 32 did not include pictures). Author: Scott Evernden

Plop Short, simple, no-frills IFF reader program, and a sample picture made using a ray tracing algorithm. Author: Jim Kent

PopCLI Provides a simple way of starting another CLI at anytime without having to load workbench or exit whatever program you may be using. Also has a built in screensaver mode which automatically blanks the Amiga console screen when there has been no input for a specified period of time. Author: John Toebes

QuickCopy Three versions of quickcopy, a nice little full diskcopier. Two of the versions are capable of making backup copies of "protected" Electronic Art's disks. Author: Dave Devenport

ScrollPf Creates and displays a 400 by 300 by 2 bit plane playfield on top of a 320 by 200, 2 plane deep playfield, as a demo of dual playfield display. Author: Carolyn Scheppner

SendPacket General purpose subroutine to send AmigaDOS packets. Author: Phillip Lindsay

Fred Fish Disks

SpriteMaker Program which lets you paint sprites and then converts data structure to be used in programs. Allows interactive testing of the sprite as a pointer. Suggested shareware donation of $15 for source code and updates Author: Ray Larson

Tracker Program which converts a boot-load disk (I.E. a kickstart disk) into a group of files for electronic transmission and reassembly. Completely preserves the original disk structure so the target disk will be an exact duplicate of the original Author: Brad (LordBradford) Wilson

TriClops Very nice graphics oriented 3D space invasion game. This was previously a commercial product which is being released into the public domain for promotional purposes (they are working on a multiuser, multimachine version) Author: Unknown, published by Geodesic Publications

Tsize A simple utility to print directory tree sizes. Displays the total size of all files and subdirectories within a given directory Author: Edmund Burnette

UnIfdef Useful program for removing ifdef'ed sections from a file while otherwise leaving the file alone. Allows one source to be used as a porting base for many machines, without shipping the entire source to every source customer. (Pre-process for their machine and send them only the source for their specific machine). Author: DaveYost

Vttest Program to test compatibility of vt100-compatible terminals and terminal emulators. Requires the resources of a UNIX system to test an Amiga hosted vt100 emulator. (I haven't yet found one that even comes close to passing this test!). Author: Per Lindberg

•Fred Fish Disk 36•

Released prior to March 1987

Acp A copy program with file name expansion and argument interpretation like the UNIX cp. Author: Fred Cassirer

Clock Updated version of the clock program released on FF15. Adds seconds display, free memory display, and faster updates Author: Mike Meyer

Csh Csh like alternative to the CLI, with changes to compile under Manx with 16-bit ints. Has alias, built in functions like "dir" for speed, history, named variables, command re-execution with substitution, etc. Version 2.01A. Author: Matt Dillon

DietAid Diet planning aid to allow the user to compile lists of ingredients (recipes) and automatically compute calorie totals, etc. This is a shareware program ($10 suggested) which was submitted by the author for inclusion in the library. Author: Terry Gintz

Echo An improved echo command with options to control color, screen placement of text, etc. Author: Larry Phillips

FixHunk A program to modify executable files to allow them to run in external memory. It forces all DATA and BSS hunksin the file to be loaded into CHIP memory. CODE hunks will still load into FAST RAM if available. Version 1.2a. Author: D.J. James

Fm File mapper program. Uses track disk device to grab sectors and traverse the file system to find out what sectors a particular file occupies. Author: Leo Schwab

KickBench Instructions and programs for creating and using a combined KickStart and WorkBench disk, so only one disk is needed to reboot. Allows the system to reboot unattended after a power failure. Requires disked from developer's disk Author: Alonzo Gariepy

Lex A program (not to be confused with the UNIX lex program which is a lexical analyzer generator) which computes various readability metrics for text files. Computes Gunning-Fog, Flesh, and Kincaid indices. Author: Jeff Sullivan

TunnelVision Another fine ABasiC game from David Addison. This is a maze game with a 3-D perspective view from inside the maze Author: David Addison

Vc Visicalc-like spreadsheet calculator program. Author: James Gosling, Amiga port by Peter Hardie

Vt100 Version 2.2 of Dave's vt100 emulator program including Xmodem and Kermit file transfer protocols. Author: Dave Wecker

YaBoing A game program demonstrating hardware sprite usage, including collision detection. Author: Ali Ozer, based on original by Leo Schwab

•Fred Fish Disk 37•

Released prior to March 1987

Little Smalltalk It is a port of Timothy Budd's Little Smalltalk system, done by Bill Kinnersley at Washington State University. I filtered all the text files in the sources, docs, and examples directories through a program to remove extraneous CR (^M) characters from the end of each line. This also makes the files conform to standard Amiga and UNIX line delimiter conventions. I hope this didn't break anything else in the process. I have added the file sources/Makefile to help people who want to recompile the sources. It uses my ccfrontend. I was able to compile and link an executable that was almost the same size as the one Bill provided (100 bytes smaller) using Manx 3.20B in 16-bit int mode, but it aborted immediately with an error message, so beware.-Fred.

•Fred Fish Disk 38•

Released prior to March 1987

CSquared Implementation of Circle Squared algorithm from Sept '86 Scientific American "Computer Recreations" column. Produces wildly colorful but mathematically precise patterns. Author: Bill DuPree

FixObj Strip extraneous garbage off the end of object files transferred with modem. Does not require pre-knowledge of actual file length, uses knowledge of Amiga file structure. Version1.1 (update to copy on disk #10). Author: John Hodgson

Handler An example that implements an AmigaDOS Handler (device) in non-BCPL format. Author: Phillip Lindsay

Hp-10c Program that mimics an HP-10c (Hewlett Packard calculator), written in TDIModula2. Author: Duncan Prindle

IffDump Two programs for manipulating IFF files. IFFENCODE grabs an active screen and writes it to a file in IFF format. IFFDUMP decodes information in arbitrary IFF files and prints it in a human readable form. Author: Matt Dillon

Jsh A simple command line interpreter drawing on features from the BSD C shell. Author: Jim Kent

NewStat Replacement program for the Amiga DOS STATUS command. Prints task number, priority, address of process, command line being executed, current directory, etc. Author: James Synge

Reversi Program to play reversi game. Version 6.1. Author: Manuel Almudevar

UUdecode Programs to encode/decode binary files for transmittal via mail, or other text-only methods. Binary file is expanded by approximately 35% for transmittal. Author: Mark Horton

Vdraw Drawing program, based on freedraw, but now transformed and enhanced beyond recognition. This is version 1.14. This shareware program (suggested $15 donation) was submitted by the author for inclusion in the library. Author: Stephen Vermeulen

VoiceFiler Voice filer program for Yamaha DX series synthesizers. Voices are transferred to and from the Amiga over MIDI. Author: Jack Deckard

Window Sample program which shows how to create a DOS window in a custom screen Author: Andy Finkel

•Fred Fish Disk 39•

Released prior to March 1987

AnsiEcho
Some commands written in assembler. Includes an echo command, touch, list, cls (clear screen), and ask (wait for user input). Author: Dewi Williams

Display Graphics display program to display HAM images from a ray tracing program. Includes some really spectacular pictures Author: Dave Wecker

Driver Demo device driver in source. Functions as a RAM disk for demonstration purposes. Author: Lee Erickson

Xlisp Small lisp type interpreter, binary only (source to older version was on disk #18). Version 1.7. Author: Dave Betz

•Fred Fish Disk 40•

Note that many of the programs on this disk are shareware/freeware. This means that if you find them useful, you are morally obligated to send a small donation to the author to help support this efforts and fund further development. I hope that by including them in this library I have furthered the author's goals of widest possible distribution and thus maximum return. Released prior to March 1987

Ahost Amiga terminal emulator featuring ANSI terminal emulation, file transfer with CompuServe's B-Protocol, Kermit, and Xmodem, user definable function keys, script language, RLE graphics and a special conference mode for use with CIS. Version0.9. Author: Steve Wilhite & George Jones

AmigaMonitor Dynamically display the state of the machine, including open files, active tasks, resources, device states, interrupts, libraries, ports, etc. Display window into memory. Version 0.21. Suggested $15 donation. Author: Jim Voris

Arc The ubiquitous compressing archiver program that has become the defacto standard for distributing binaries and multi-file postings on most BBS's. This is Amiga version 0.16, a port of arc version v5.0. Suggested $35-$50 donation. Author: System Enhancement Associates Amiga version by Raymond Brand

AreaCode Program which decodes area codes into state and locality. Version 1.5. Author: Bill Beogelein

Blink A linker written as a replacement for Alink. Fully Alink compatible and supports many additional options not found in Alink. Also is much faster than Alink and produces smaller executable files. Version 6.5. Author: Combined efforts of the Software Distillery

Cosmo An "asteriods" clone. Suggested $6 donation. Author: John Harris

Dg210 Data General D-210 Terminal emulator. Suggested $12 donation Author: Steve Lenz

DirUtil Nice little program to wander around directory tree using a windowing interface and performing various operations on files. Version 1.4. Author: Chris Nicotra, enhancements by Dave Jobusch

DOSHelper Windowing program to print help information about various DOS command. Version 1.60. Suggested $10 donation. Author: John Youells

PagePrint Prints text files with date/time header, page breaks, and line numbers. Suggested $10 donation. Author: Phil Mercurio

PopCLI Provides a simple way of starting another CLI at anytime without having to load workbench or exit whatever program you maybe using. Also has a built in screen saver mode that automatically blanks the Amiga console screen when there has been no input for a specified period of time. Version II, which now includes source. Author: John Toebes

SpriteEd Lets you simultaneously edit two sprite pairs to form a double wide sprite image. Suggested $10 donation. Author: Scott Lamb

X-Spell A spelling checker to proofread text files and then allow you to move through the document, deciding what to do with the misspelled words. Suggested $15 donation. Author: Hayes Haugen

•Fred Fish Disk 41•

Released prior to March 1987

AmigaVenture A program which allows you to write your own Infocom-style adventure programs in AmigaBASIC. It is a full-featured adventure parser, including direct and indirect objects, multiple object processing, adjectives, automatic ambiguity resolution, and subordinate clauses. The parser includes support for one, two, or three-word verbs, and a full set of object-manipulation primitives. Author: Mitsuharu Hadeishi

Csh Version 2.03 of Matt's Csh-like shell. Executable only. Author: Matt Dillon

Dbug Macro based C debugging package. Machine independent. Provides function trace, selective printing of internal state information, and more. First released on disk #2. This version includes some bug fixes and enhancements. Author: Fred Fish

DualPlayField An example of using a dual-playfield screen, using a method contrary to documentation in the Intuition Manual Author: Jim Mackraz

GetFile A very nice filename requester. Unlike the earlier version on disk #35, this version includes source code. Author: Charlie Heath

LatticeXref A cross reference listing of all symbols defined in the Lattice 3.10 header files. Sorted alphabetically by symbol string, includes file name and line number of all references and/or definitions. Author: Fred Fish

Lines A line drawing demo program, reminiscent of the "sparks" program on disk #9. Author: Paul Jatkowski

SetFont A program to change the font used in a workbench screen. Includes several sample fonts of various sizes. Author: Michael McInerny

Vt100 Version 2.3 of the ever popular vt100 terminal program. Includes xmodem and kermit file transfer protocols. Author: Dave Wecker

•Fred Fish Disk 42•

Released prior to March 1987

MicroGNUEmacs (MG) To quote the "Read Me First" file. This diskette contains the Amiga version of MicroGNUEmacs (MG), a small but powerful text editor that runs on many other computer systems besides the Amiga. One of MG's major goals is to be compatible with its cousin GNU Emacs, so certain features you may have seen in other versions of MicroEmacs may work differently here, or not exist. Hopefully, you'll find the added features MG provides to be worth the trouble it takes to make the switch.

From the "Read Me Second" file: This is the fourth Beta distribution of MicroGnuEmacs. Beyond the work of Dave Conroy, author of the original public domain v30, this contains the efforts of: mwm@ucbopal.berkeley.edu Mike Meyer mic@ngp.utexas.edu Mic Kaczmarczikb larson@usc-oberon.arpa Bob Larson rtech! daveb@sun.com Dave Brower A very nice job guys! Congratulations.

•Fred Fish Disk 43•

Released prior to March 1987

BasicBoing An AmigaBASIC program which shows animation by page flipping. Precalculates all views of a rotating 3Dimensional cube and then cycles through them rapidly for animation Author: Arthur Blume

Bbm Demo copy of B.E.S.T. Software's Business Management System. It is a full implementation with file sizes reduced for demo purposes. Author: Business Electronics Software & Technology Inc.

BbsList A list of Bulletin Board Systems which support the Amiga. The list was compiled from a list on Delphi, Compuserve, bathroom walls, etc. Author: Dick Sheffold

Cc C compiler front ends for Manx and Lattice C, developed independently by Jay T's. These automatically filter off the annoying banner messages from various passes of the compilers Author: Jay T's

Copper A copper list disassembler. Dumps the contents of a hardware copper instruction list. Author: Scott Evernden Inst

IFF A program which converts sampled sound files from the Instruments dealer demo disks to IFF sampled sound files in a FORM 8SVX Author: Bobby Deen

PopColours Lets you change the Red/Green/Blue components of any color register, on any screen currently in the system. Uses a movable window with slider gadgets. Very well done. Version 1.0, November 1986. Author: Chris Zamara and Nick Sullivan

SpriteClock A very simple clock that uses a sprite as it's display medium, thus allowing it to be displayed on top of all other screens. Includes source in assembly language. Author: Darrel Schneider

Fred Fish Disks

STEmulator Turns your Amiga into an Atari ST (sort of). Be sure to read the README file for the true story...Author: David Addison

WBrun A program designed to allow any program to be invoked from CLI yet behave as if it were invoked from Workbench. Workbench need not be loaded, thus saving the memory that Workbench would normally use. Author: JohnToebes

Wild Two versions of UNIX shell style wildcard matching routines. Author: Rich Salzand Fred Fish

•Fred Fish Disk 44•

Released prior to March 1987

Icons Some miscellaneous icons for your viewing pleasure. Author: Unknown

NewIFF Some new IFF material dealing with sampled voice and music IFF files Author: Posted to usenet by Carolyn Scheppner

RayTracePics Ray tracing pictures, some of which appeared on FF39, but now in IFF HAM format for MUCH faster loading and compatibility with existing IFF tools. Author: Dave Wecker

ViewILBM Reads an ILBM file and displays as a screen/window until closed. Handles normal and HAM ILBM's. Author: Based on ShowILBM, enhanced by Carolyn Scheppner

•Fred Fish Disk 45•

Released prior to March 1987

Clue Clue board game. Nice. Author: Greg Pryor

Make Another version of make that seems to be more complete than many other PD makes. Author: Unknown, downloaded from the Software Distillery

Pictures Miscellaneous pictures selected from dozens of pictures that have come my way since the last full art disk. Author: Rich Payne, Grace Rohlfs, and others.

Update Used to update an older working disk with files from a newly released disk. Files on the older disk that are out of date will be upgraded with files from the new disk. Author: Unknown, downloaded from Software Distillery

WhereIs Program which searches a disk for the first or multiple occurances of a file with a given name. Author: Steve Poling

•Fred Fish Disk 46•

Released prior to March 1987

Asm A shareware macroassembler, submitted by the author. Asm is a 68010 macro assembler that is compatible with the assembler described in the AmigaDOS manual. Author: Douglas Leavitt

CheckModem A program which provides for executing other programs from your startup file, if and only if there is actually a modem connected to the serial port. Author: Matt Dillon

Egad A gadget editor from the Programmers Network. Very nicely done and very useful. Author: John Draper, Ray Larson, Brent Southard, and Dave Milligan

Jive program which transforms its standard input to "jive" on its standard output .Author: Unknown

My.lib A binary only copy of Matt's alternate run time library. Author: Matt Dillon

ProffMacros Subset implementations of the Berkeley "ms" and System V "mm" macropackages, for the proff program. Author: Tony Andrews and George Walker

ValSpeak A filter program which transforms its standard input to "valspeak" on its standard output. Author: Unknown

•Fred Fish Disk 47•

Released before March 1987

3D-Arm The first stage of a larger project to study goal directed animation of articulated objects (objects which can move with various degrees of freedom but are constrained by attachment to other links within the object). This program demonstrates goal directed animation with a simulated 3-dimensional robot arm. Includes source Author: Bob Laughlin

Juggler Stunning animation of a robot juggler with raytraced reflective spheres. Uses HAM mode display and sound effects to boot! Author: Eric Graham

Vt100 Version 2.4 of Dave's vt100 terminal emulator. Includes x modem and kermit file transfer protocols. Author: Dave Wecker

•Fred Fish Disk 48•

Released prior to March 1987

Bru Alpha 1 version of a hard disk and/or file archiver written for UNIX. This is a vanilla port, with very little Amiga smarts, but it is usable. This is also the last freely redistributable version. Author: Fred Fish

Comm A vt100 like terminal emulator with built in support for key functions and a phone number database. Version 1.30 Author: D J James

Csh2.04 Version 2.04 of Matt's csh-like shell. Includes source. Author: Matt Dillon

Csh2.04M Version 2.04 of Matt's csh-like shell, heavily modified for Manx C. Includes source. Author: Matt Dillon, Manx version by Steve Drew

Diskperf A disk bench mark program which runs on both UNIX and the Amiga. Author: Rick Spanbauer

Du Computes disk usage of a file or directory (including sub directories). Very handy. Author: Joe Mueller

MemWatch Memwatch is a program intended to sit in the background and watch for random trashing of low memory by an application under development. If it detects a write to low memory, it repairs it to what used to be there, then puts up a requester indicating what damage had been done. Very useful! Author: John Toebes

Profiler A real time execution profiler for Manx 3.30E. Using this you can identify what sections of your program are using the most time, or being executed the most, and optimize as appropriate. I was able to double the speed of some programs by using this tool. Includes source. Author: Tomas Rokicki

•Fred Fish Disk 49•

Released prior to March 1987

Cycloids An updated version of the hypocycloids (electronic spirograph) program first released on FF27. Author: Terry Gintz

DirUtil An enhanced version of the dirutil from FF35. Dirutil is a program to wander around a directory tree and perform various operations on files. See README file for list of new features. Author: Chris Nicotra, enhancements by Johan Widen

Multidef A program to scan a collection of object and library files and identify multiply defined symbols. This is useful to locate subtle problems where user defined symbols override library symbols. Author: Paul Jatkowski

MyUpdate A disk update utility that also provides support for automatically stripping comments from C header files and for interactive verification on a per file basis. Author: JoeMueller

Plot Program to compute and plot 3 dimensional functions. Includes hi-res interlace mode for maximum detail. Author: Unknown; Amiga version by Terry Gintz

Polygon A moire type pattern generator but with color cycling. Author: TerryGintz

QMouse A program to query the status of the left mouse button and return a status code. The return code can be used as a WARN condition in a CLI execute file to alter execution. Also includes a separate program to toggle interlace on and off. Both are written in assembler and are very small Author: Robert Rethemeyer

Touch A simple command to set the date of a file to the current date. Uses new supported method of setting a file date stamp (rather than reading and writing back a byte) Author: Phil Lindsay and Andy Finkel

Trees Another "tree growing" program, similar to the one on FF31, but more extensive. Author: Unknown; Amiga version by Terry Gintz

•Fred Fish Disk 50•

Note that many of the programs on this disk are shareware/freeware. This means that if you find them useful, you are morally obligated to send a small donation to the author to help support his efforts and fund further development. I hope that by including them in this library I have furthered the author's goals of widest possible distribution and thus maximum return. Released prior to March 1987

Asm A shareware macroassembler, submitted by the author. Asm is a 68010 macro assembler that is compatible with the assembler described in the AmigaDOS manual. This is version 1.1, an update to the version on FF46, and includes bug fixes, additional standard Motorola mnemonics and a simple startup code module. Author: Douglas Leavitt

BreakOut A 3D game. Requires 3D glasses. Author: Tim Kemp

DiskZap Program to "edit" a disk, sector by sector. Version 1.1. Author: Paris Bingham Jr.

FirstSiliCon A smart input line interpreter that provides a separate command window with full editing and recall of previous commands. Actual name is "Sili(Con:)". Author: Pete Goodeve

Missile A nice "missile defense" game. Written 100% in assembler (source available from author) and is very fast! Author: Glen Merriman

PerfectSound Perfect Sound demo, with a sound editor and sample sound files. Looks very nice. Author: Anthony Wood

Sizzlers Graphics demo programs. Author: GregEpley

UNIXArc A version of arc suitable for UNIX System V.Author: System Enhancement Associates

Wombat Yet another terminal emulation program. Version 3.01.Has user set table cursor, programmable function keys,vt-102 emulation, auto-dialing, loadable settings files, and more Author: Dave Warker

•Fred Fish Disk 51•

Released prior to March 1987

Bison A replacement for UNIX "yacc" command. This is from the GNU (GNU is Not UNIX) effort, and was obtained from the Free Software Foundation. This is a working update to the version on FF4, provided by Johan Widen Author: Bob Corbett and Richard Stallman

Compress This is an update to the compress version released on FF6. It is tested and seems to work well except for a couple glitches noticed at the last minute (see the README file). Compress reduces the size of the named files using adaptive Lempel-Ziv coding. The amount of compression obtained depends on the size of the input, the number of bits per code, and the distribution of common substrings. Typically, text such as source code or English is reduced by 50-60%. Compression is generally much better than that achieved by Huffman coding(as used in "pack") or adaptive Huffman coding (as used in "compact"), and takes less time to compute. Author: Thomas Spencer, with improvements by others

Cos A "Wheel Of Fortune" style game in AmigaBASIC. Author: Steve Michel

DifSsed Dif produces a difference file which lists the line by line differences between any two text files. These differences can be fed to ssed (a stream type editor), along with the original text file, to remotely reproduce the other (new) file. Binary only. Author: Chuck Forsberg, Amiga port by Rich Schaeffer

Sq.Usq Portable versions of the CPM sq and usq utilities. Author: R.Greenlaw, many changes by Bill Swan

•Fred Fish Disk 52•

Released prior to March 1987

Assign Replacement for AmigaDOS assign command, written in C. Author: Charles McManis

Fractal A fractal program which produces a random square fractal terrain. Author: John Olsen

HAMpoly A polygon drawing demo which uses HAM mode to produce polygons of any of the possible 4096 colors. Author: John Olsen

MxGads Demonstrates how to make mutual exclusion of boolean gadgets work, even if they contain Gadget Text. Author: Willy Langeveld

Poly A polygon drawing demo using the Area Move, Area Draw, and Area End functions Author: John Olsen

Tek4010 A Tek 4010 emulator. Author: Terry Whelan, with changes by Steve Poling

VDraw1.16 Shareware drawing program submitted by the author. This version uses menus but includes some items not on version 1.19, also on this disk. Author: Stephen Vermeulen

Vdraw1.19 Latest version of Vdraw, with a completely new iconic user interface, and some other new features including a color palette mixer and DPaint style brushes, extended cutting features, area locking, and a flexible printing interface Author: Stephen Vermeulen

•Fred Fish Disk 53•

Released prior to March 1987

Animations Some animations made with Aegis Animator. Includes a player program Author: Aegis Development

ARCre Creates rename scripts so that files with long names can be easily archived and de archived correctly by "arc". Author: John Hoffman

Arp Some preliminary programs from a program started on BIXby Charlie Heath to replace all the BCPL AmigaDOS programs with assembly equivalents. Includes "break", "cd", "chmod", "echo", "filenote", and "makedir". : Charlie Heath and Scott Ballantyne

Compiler An optimizing C compiler for the 68000. Has successfully compiled itself on a 68000 based UNIX system V machine, but has yet to be fully ported to the Amiga. It will currently produce assembly output for simple C routines on the Amiga, but needs lots of work to be really useful as anything other than a learning tool for budding compiler guru's Author: Matthew Brandt

SpreadSheet A simple "Visicalc-like" spreadsheet calculator. Also known as "vc" but there is currently a debate about whether or not that name is a registered trademark. The version on FF36 was based on an earlier version of the same source. This release also includes source code. Author: James Gosling, Mark Weiser, and Bob Bond Amiga port by Dave Wecker

TarSplit A port of the OS/9 program that extracts files from UNIX tar archives Author: James Jones. Amiga version by Mike Meyer.

UUencode Programs to encode/decode binary files for transmittal via mail or other text-only methods. The binary file is expanded by approximately 35% for transmittal. This release is an update to the version on FF38, and includes a simple line-by-line checksum technique that can read and write files compatible with the older uuencode/uudecode. Author: Mark Horton with mods by Alan Rosenthal

•Fred Fish Disk 54•

Released March 18, 1987

Hanoi Classical demo program for recursion. Solves the towers of hanoi problem in a workbench window of its own. Author: Ali Ozer

ISpell A quick and dirty port of a UNIX version of a freely distributable screen oriented, interactive, spelling checker. I use the UNIX version daily and it is very nice. You will need expansion RAM to run this with the supplied dictionary, as it loads the entire 300K hashed dictionary into memory. A hard disk is also recommended. Author: Pace Willisson

Ing The next step in the "boing wars". Turns a nice screenful of little windows into a screen of lots of bouncing little windows. Cute! Author: Leo 'Bols Ewhac' Schwab

Lav A "title bar type" program that displays the number of tasks in the Amiga's run queue, averaged over the last minute, 5 minutes, and 15 minutes. Presumably inspired by, and named after, the BSD "load average" program. Author: William Rucklidge

Fred Fish Disks

MidiTools Simple programs to play and record through the MIDI I/F. Untested (I have no MIDI hardware). Author: Fred Cassirer

MoreRows A program to make the workbench screen larger than normal. The number of additional rows and columns are set via command line arguments. Author: Neil Katinand Jim Mackraz

Tilt Another of Leo's cute little toys. This one makes your Amiga look like it didn't pass Commodore's vibration testing. Author: Leo Schwab

•Fred Fish Disk 55•

Released March 18, 1987

Csh Version 2.05 of Matt Dillon's csh like shell, modified for Manx C Author: Matt Dillon, Manx'ified by Steve Drew

NewStartups A couple of new Cstartup modules. AStartup.asm is the source to AStartup.obj, with 1.2 fixes and better quote handling. TWStartup.asm is like AStartup.asm but opens a studio window, using a user supplied window specification, when executed from workbench. Author: Commodore, posted to BIX by Carolyn Scheppner

Palette A tool which allows you to change another program's custom screen colors. Based on Charlie Heath's palette program from FF1. Author: Carolyn Scheppner

PipeDevice A working 'pipe:' device, which allows the standard output of one process to be fed to the standard input of another process, with both processes running concurrently. Author: Matt Dillon

ScreenSave A program to save a normal or HAM mode screen as an IFF file. Also creates an icon for the saved file. Author: Carolyn Scheppner

ShangaiDemo Demo version of the Activision game "Shanghai". Submitted directly by Activision for inclusion in the library.

SoundExample A double buffered sound example for Manx C using 16-bit ints, small code, and small data. Author: Jim Goodnow

Vsprites A working vsprite example. Author: Eric Cotton

Vt100 Version 2.6 of Dave's vt100 terminal emulator with kermit and xmodem file transfer. It just keeps getting better and better. Author: Dave Wecker

•Fred Fish Disk 56•

Released March 18, 1987

ClipBoard Clipboard device interface routines to provide a standard interface, such as Open, Close, Post, Read, Write, etc. Author: Andy Finkel

ConPackets Demos the use of DOS packets, finding the Window pointer and ConUnit pointer of the CLI window, toggling Raw mode, getting cursor position and limits from the ConUnit, and ESC-sequence cursor positioning. Author: Carolyn Scheppner

GetDisks Sample program to find all available disk device names and return them as a simple exec list. The list is made of named nodes, with the name being the device name. Author: Phillip Lindsay

GetVolume Sample program to get the volume name of the volume that a given file resides on. Works on any device, even the RAM: device. Author: Chuck McManis

Icon2C Reads an icon file and writes out a fragment of C code with the icon data structures, for inclusion in a larger program. Author: Carolyn Scheppner

MergeMem Program which attempts to merge the MemList entries of sequentially configured RAM boards. When successful, allows allocating a section of memory which spans board boundries. Author: Carolyn Scheppner

mCAD An object-oriented drawing program, version 1.1. Uses a small set of graphics primitives (like "line","box", and "text") and a small set of editing functions (like "move","size", and "rotate"). While drawing and editing, the user can call on other functions to modify the display; to zoom in, slide around, superimpose a grid, etc. This shareware program was submitted by the author. Author: Tim Mooney

•Fred Fish Disk 57•

Fred Fish 57 has been replaced with Fred Fish 97

•Fred Fish Disk 58•

Released March 18, 1987

ASDG-rrd Extremely useful shareware recoverable RAM disk. This AmigaDOS device driver implements a completely DOS compatible disk device in memory that survives resets, guru's, and crashes. An absolute must for those with lots of RAM. Binary only. Author: Perry Kivolowitz, ASDG Inc.

BigView Displays any IFF picture, independent of the physical display size, using hardware scroll. Default display size is 320 by 200 in lo-res; HIRES or LACE attributes added if user width/height exceeds low resolution boundaries. Includes source. Author: John Hodgson

EGraph Egraph reads pairs of x and y values from a list of files and draws a formatted graph. Supports four unique curve fonts; solid curves, dashed curves, dotted curves, and long dashed curves. The maximum number of data points is unlimited. Has globs of options. Binary only. Author: Laurence Turner

HyperBase Nice little shareware database management system. Version 1.5. Binary only, source available from authors. Author: Michael MacKenzie, Marc Mengel, and Craig Norborg

MemClear Walks through the free memory lists, zeroing free memory along the way, and coalescing memchunks that have contiguous address spaces. Includes source. Author: John Hodgson

NewZAP A third-generation multi-purpose file sector editing utility, from the author of FileZAP. Displays and edits full 512-byte sectors via a 106 character wide internal font. Includes a search feature to find specific strings or hex digits, forwards or backwards. Version 3.0, includes source. Author: John Hodgson

RainBow Marauder-style rainbow generator. Installs a user copper list such that the background color is changed every few scan lines. Includes source. Author: John Hodgson

SmusPlayers Two SMUS players, to play SMUS IFF music formatted files. Executables only. Author: John Hodgson

View A tiny ILBM viewer, for use with either the CLI or WorkBench. Includes source. Author: John Hodgson

WBdump JX-80 optimized workbench printer that does not use DumpRPort. Much more efficient than the Amiga JX-80 driver for fullscreen dumps Includes source. Author: John Hodgson

•Fred Fish Disk 59•

Released April 11, 1987

Browser Another version of the browser program released on disks number 18 and number 34. Includes some bug fixes and enhancements. Includes source. Author: Mike Meyer, enhancements by Mark Schretlen

Browser2 This browser type program is apparently not based on the original Mike Meyer version. Binary only. Author: Dan Green

Clock Another clock program, comes in several flavors depending upon features desired, which include using alternate fonts, using alternate colors, setting the time, etc. Binary only. Author: Mark Waggoner

Dme Version 1.22 of Matt's text editor. Dme is a simple WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary keymapping, fast scrolling, title-line statistics, multiple windows, and ability to iconify windows. Author: Matt Dillon

DropCloth Dropcloth replaces the standard blank WorkBench backdrop with a pattern, of settable intensity. Binary only. Author: Eric Lavitsky and Perry Kivolowitz

DropShadow A program that makes your WorkBench windows have dropshadows. Neat. Binary only. Author: Jim Mackraz

FixWB A program similar to "DropCloth" (also on this disk), but not fully working yet. At least this one is provided in source, so you

get your choice of a working one in binary or a nonworking one in source. Sigh. Author: Leo Schwab

mCAD An object-oriented drawing program, version 1.2.2. Uses a small set of graphics primitives (like "line", "box", and "text") and a small set of editing functions (like "move", "size", and "rotate"). While drawing and editing, the user can call on other functions to modify the display; to zoom in, slide around, superimpose a grid, etc. This shareware program was submitted by the author. Many improvements over the version released on FF56. Binary only. Author: Tim Mooney

Robotroff Another of Leo's cute little display hacks. This one has a definite attraction to pointers (don't want to spoil the surprise) Author: Leo Schwab

Supermort A general compounding/ amortization routine, using the intuition environment, which can be used for mortgage/loan computations. Binary only. Author: Mark Schretlen

•Fred Fish Disk 60•

Note that many of the programs on this disk are shareware/freeware. This means that if you find them useful, you are morally obligated to send a small donation to the author to help support his efforts and fund further development. I hope that by including them in this library I have furthered the author's goals of widest possible distribution and thus maximum return. Released April 11, 1987

Blitz Blitz is a small program that is designed to be loaded into memory and that sits in the background until activated by its hot key. It allows you to view a text file, much like a TYPE command, only that it lets you move forwards and backwards through the file. Its screen updates are blitz'n. Binary only. Author: Hayes Haugen

BlitzFonts Blitzfonts makes text output up to 6 times faster, transparently to well behaved programs. It is also very small and written 100% in assembly for maximum speed. Binary only Author: Hayes Haugen

HandShake Handshake is a full featured VT52/VT100/VT102 terminal emulator. The author has taken great pains to support the full VT102spec. This is version 1.20a, binary only. Author: Eric Haberfellner

Med Yet another Amiga text editor. This one lets you edit up to 36 files simultaneously and makes extensive use of the mouse. This is version 2.1, binary only. Author: Francois Rouaix

PrtDrvGen Program to automatically generate custom printer drivers. Version 1.1, binary only, source available from author. Author: Joergen Thomsen

Show A nice, very small slideshow type program, version 2.1, binary only. Author: Andry Rachmat

Uedit Version 2.0 of this nice shareware editor. Has learn mode, a command language, menu customization, and other user configurability and customizability features. Binary only Author: Rick Stiles

Ueturbo Example of extensive customization of Uedit to set up a nice development environment. Includes source. Author: Tom Althoff

•Fred Fish Disk 61•

Released April 11, 1987

ATPatch A program which reportedly will patch the Amiga Transformer for operation under Workbench 1.2 (I don't have one so I couldn't test it). Includes source. Author: Philip Staub

FillDisk Disksalv has been known to find some rather interesting things in the free blocks of some production disks from companies that should know better. This little hack makes sure you don't get caught in the same trap, by scribbling the disk's free blocks in a totally safe manner. Includes source (all 20 lines of it). Author: Fred Fish

LPatch Patch for programs, such as 'Atom', with bad 1.0 Lstartup code, which abort during startup under 1.2 with 00038007 alert (can't open DOS library). Includes source. Author: Carolyn Scheppner

MicroEmacs Version 3.8b of Daniel Lawrence's variant of Dave Conroy's microemacs. This version is greatly enhanced over the last version, distributed on FF22. For example, there is now a full extension language and support for a larger number of 68000 machines. Includes source Author: DaveConroy, MANY enhancements by Daniel Lawrence

PearlFont A font similar to Topaz, but with smoothed out edges and more rounded characters. Author: Michael Portuesi

Terrain Program which demonstrates generation of good looking pseudo-random scenery. Includes source in Draco. Author: Chris Gray

VSprites Vsprite example from Rob's book "Programmers' Guide To The Amiga" Produces 28 VSprites on screen simultaneously, using only three distinct sets of colors. Includes source. Author: Rob Peck

•Fred Fish Disk 62•

Released April 11, 1987

Hack This disk contains a port of the popular UNIX game "Hack", done by John Toebes and the crew at the Software Distillery. This is version1.0.3D. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using a command of the form "copy df0: to df1: all". This insures that disk fragmentation is kept to a minimum, but also has the unfortunate side-effect that all the file dates are changed. Note that this disk must be named "Hack_Game". I have elected to keep that name, rather than using the usual "AmigaLibDiskXX" convention for disks in my library, to avoid requiring users to rename the disk before using it.-Fred. Released April 11, 1987

•Fred Fish Disk 63•

Released April 11, 1987

Larn This disk contains a port of the popular UNIX game "Larn", done by Edmund Burnette and the crew at the Software Distillery. This is version 12.0B. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using a command of the form "copy df0: to df1: all". This insures that disk fragmentation is kept to a minimum, but also has the unfortunate side-effect that all the file dates are changed. Note that this disk must be named "Larn". I have elected to keep that name, rather than using the usual "AmigaLibDiskXX" convention for disks in my library, to avoid requiring users to rename the disk before using it. Also note that, as distributed, this disk is only about 40% full. Normally I try to fill my library disks to about 90-95% full, but these "packaged" disks are special.-Fred

•Fred Fish Disk 64•

Released April 11, 1987

Amiga Developer's IFF disk This is a copy of the Amiga Developer's IFF disk, received directly from Commodore-Amiga sources, with permission to place in the library and redistribute. It is an update to FF16, and is unchanged except the volume name has been changed to AmigaLibDisk64.Enjoy-Fred.

•Fred Fish Disk 65•

Released April 11, 1987

Bawk Text processor inspired by the UNIX awk utility. Bawk searches files for specific patterns and performs actions for every occurrence of these patterns. The patterns can be regular expressions. The actions are expressed using a subset of the C language. Unfortunately this version always gets a stack overflow no matter what the stack is set to, I haven't had a chance to find the bug. Includes source, so you can hunt for it. Looks like it could be a very useful utility for the Amiga. Author: Bob Brodt

CloseWB Simple program for use with MWB (also on this disk) to close a current WorkBench screen, and let you open WorkBench on a custom screen. Author: Matt Dillon

Cookie Fortune cookie program. Includes source. Author: Richard Stevens

JTime Detailed instructions, including schematics in IFF format, for building and installing a battery backed up real-time clock. The clock goes on the joystick port (aka mouse port 2). Author: Michael Keryan

MenuBuilder A program which automates the process of building menus. It takes a simple text file and generates a C source file with all the needed structures for linking with

the rest of your program. This is version 1.0, and includes source. Author: A. Preston

MWB A program which will create a new 'WorkBench' screen and route by request OpenWindow calls meant for the WorkBench to these new screens. This allows you to run programs which normally open windows on the WorkBench screen to use a custom screen instead. Version 1.01, includes source. Author: Matt Dillon

NewPackets Tutorial downloaded from BIX C-A support section, which describes some new packets and structures in 1.2 AmigaDOS. Author: Carolyn Scheppner

PascalToC A Pascal to C translator program which is supposed to correctly handle function, procedure, and most type declarations. However, this quick and dirty port didn't fare too well on even a simple little Pascal fragment from Software Tools in Pascal. I don't know if the problem is machine dependencies in the code or bugs. Looks like it could be useful with a little more work than I have time to put into it now. Includes source. Author: James Mullens, enhancements by Dan Kegel

Prep Version 2.1 of a Fortran preprocessor called 'prep', an alternative to ratfor. Prep has better macro facilities, a concise shorthand for array and vector statements, all the standard flow control constructs of forth, and is written in generic, portable C (I made no source changes). Includes source. Author: Roger Ove

RunBack A program that allows you to start another program which is independent of the CLI window. This is useful to start programs from your Startup-Sequence, load WorkBench, and then close the initial CLI (which could not be closed otherwise). Author: Charlie Heath, MicroSmiths

SunMouse Makes your mouse behave like the Sun Microsystem Sunwindows mouse. You no longer have to 'click' in a window to make it active. Just move the mouse pointer into the window and start typing. Version 1.0, binary only. Author: Scott Evernden

•Fred Fish Disk 66•

Released April 11, 1987

AmScsi Preliminary documentation for a hardware project to build a SCSI controller board. The design does not support DMA or AUTOCONFIG'ing. Author: Rich Frantz

Asm68k Full featured macro assembler, version 1.0.1, binary only. Well documented. Author: W. Wesley Howe

Assigned Same code showing how to find out whether or not a name has been assigned (via the DOS ASSIGN command) before using it, thus avoiding the DOS Insert-Disk requester. Includes source. Author: Dan Green

Dk A little display hack, inspired by Leo's gems. Written in Modula-2, includes source. Author: Thomas Handel

Flip Seems like Leo's gems have inspired lots of people. This one is quite cute also. Written in assembler, includes source. Author: Mike Berro

Foogol Just what you've been waiting for, a foogol cross compiler for your Amiga that generates VAX assembly code. Now you can port all those Amiga foogol programs to your VAX! Seriously, foogol-IV is a tiny Algol like language and this is a compiler for it. Includes source. Author: Per Lindberg

Free Free returns the available free bytes on any storage device that AmigaDOS sees as a drive. A list of up to six drives is kept by the program and may be cleared or added to at any time by the user. Includes source. Author: Tom Smythe

MallocTest A malloc/free test program that allocates and frees randomly sized pieces of memory with random lifetimes, and fills them with patterns that can be checked for corruption. Useful for beating on your vendor supplied memory management routines, or possibly as a poor man's memory test program. Includes source. Author: Neil Webber

Melt Another display hack from the master himself... Includes source. Author: Leo Schwab

Nart Another display hack from the master himself... Includes source. Author: Leo Schwab

Purty Provides an easy way to change some common printer settings via a small window with several gadgets. Binary only. Author: Charles Tyson

RayTracer A simple ray tracing program. It is capable of depicting up to 150 balls and a plane that is covered with a tiling of any bit mapped picture. Binary only and sparse documentation. Author: Friedrich Knauss, Steve Williams, Jim Horn and Mark Reichert

SendPackets Updated versions of the ASendPacket and SendPacket examples from FF35. A SendPacket is an example program for sending multiple packets asynchronously to a DOS handler, for those interested in implementing programs with asynchronous AmigaDOS file I/O. SendPacket is a general purpose subroutine to send AmigaDOS packets. Includes source. Author: Phillip Lindsay

SnapShot A small utility for dumping screens. This one works like POPCLI and stays dormant until you press Ctrl-Esc. Binary only. Author: Francois Rouaix

TagBBS Version 1.02 of a shareware BBS system. Suggested shareware donation is $25. Binary only. Author: Patrick Hughes

•Fred Fish Disk 67•

Released April 11, 1987

AmCat Shareware disk cataloging program. Suggested donation of $20. Binary only. Author: Brian Conrad

AmigaSpell Very nice intuition oriented shareware spelling checker, version 2.0, binary only. Author: Mike Berro

Bouncer A 3D simulation of a bouncing ball written in Creative Solutions' Multi-Forth, with source included. Author: Jon Bryan

Comm Another nice terminal program. Version 1.33, binary only. Author: DJ James

Dux5 Latest version of directory utility which is a descendant of the original dirutil program by Chris Nicotra. Includes source. Author: Enhancements and fixes by lots of people

HexCalc Nice little hex/oct/dec/bin calculator and converter. Binary only. Author: Scott Ross

Icons A collection of some icons for general purpose programs and some particular programs. The "documentation" icon is particularly cute. Author: Jeff White

Mandala A mandala graphic program with sound, sort of Eastern music. Binary only. Author: Unknown

PersMait Demo version of shareware personal/personnel file manager. Includes list processing, capability to run mailing labels, mail merge output feature, and more. Demo version is binary only and limited to input mode. Suggested donation of $24 for the "real" version. Author: Breen and Associates

RSLClock Yet another nice little clock utility that can sit around in your title bar. Lots of options. Version 1.3, binary only. Author: Roy Laufer

RTCubes A little graphics demo that shows 16 3D cubes in a 3D space, all being translated, rotated, and drawn on the screen in real time. Binary only, takes over the machine, reboot to recover. Author: Ralph Russell

Wheel Nice little "Wheel of Fortune" type game, written in AmigaBASIC Author: Hari Wiguna

•Fred Fish Disk 68•

Released April 11, 1987

MicroGNUEmacs (MG 1b) To quote the "Read Me" file: This diskette contains the latest Amiga version of MicroGNUEmacs (MG 1b), a small but powerful text editor that also runs on many other computer systems besides the Amiga. One of MG's major goals is to be compatible with its "cousin" GNU Emacs, so certain features you may have seen in other versions of MicroEmacs may work differently here, or not exist. Hopefully, you'll find the added features MG provides to be worth the trouble it takes to make the switch. As well as the commands available on *all* systems MG supports, Amiga MG has many Amiga-specific features: the Amiga mouse (with 24 different functions!), Intuition pull-down menus, the Browser (a very nice way to select files), Amiga function keys, a full-screen editing window, and support for using a different text font in the editing window.

MicroGNUEmacs MicroGNUEmacs is based on the original work of Dave Conroy, author of the public domain v30 version. It has been greatly enhanced through the efforts of the following people: mwm@ucbopal.berkeley.edu Mike Meyer mic@ngp.utexas.edu Mic Kaczmarczik blarson@usc-eclb.arpa Bob Larson rtech!daveb@sun.com Dave Brower (previous version). The current version is known to run on the following systems: 4.2 & 4.3 BSD UNIX, Sun 3.2 Ultrix-32 (BSD UNIX) OS9/68k VM Amiga System V Eunice Primos Cpm/68kAtari STA very nice job guys! Congratulations.

•Fred Fish Disk 69•

Released May 8, 1987

Asm68k Full featured macro assembler, version 1.0.3, binary only. Well documented. Author: W. Wesley Howe

BlitLab Blitlab is a program which lets you experiment with the blitter, to your hearts content, in relative safety. It opens a workbench window with gadgets for all the registers of the blitter, and allows you to manipulate individual registers and perform blits on a magnified bitmap. Includes source. Author: Thomas Rokicki

Conman A replacement console handler that provides line editing and command line history. Is completely transparent to any application program that uses CON: windows. Programs that use RAW: input are not affected. VERY useful. Shareware version 0.9, binary only (source to be available from author). Author: William Hawes

Console Console is a try at a new set of routines to get around some of the problems with the standard system routines, and includes some simple graphics routines. Includes source. Author: Jim Cooper

Dk A little display hack, inspired by Leo's gems. Written in Modula-2, includes source. Slightly newer than version on FF66. Author: Thomas Handel

Frags Reports the number of free blocks of size 2^(n-1) to (2^n)-1 for n up to 24 (blocks of max size 16Mb-1). Translation: Gives you some idea of how fragmented your free memory is. Includes source. Author: Mike Meyer

IconType Change the type of an icon after editing with IconEd. Types are Disk, Drawer, Tool, Project, Garbage, and Device. Includes source. Author: Larry Phillips

Make Public domain make from mod.sources, Volume 7, number 91. It has been cleaned up, Manx'ified, and some new features added, by Steve Walton. Includes source. Author: "caret@fairlight.OZ"

MonProc A simple program to allow you to monitor any process for packet activity. Includes source. Author: Phillip Lindsay

MouseClock Turns your mouse pointer into a digital clock with updates once per minute. Includes source. Author: John Hoffman

Sb Structure browser, that displays system structures via pointers found in other structures. You start from IntuitionBase and go from there. Version 1.0, includes source. Author: Nick Sullivan and Chris Zamara

Spew Program which generates amusing 'National Enquirer' type headlines. Works from a 'rules file' which describes how the headlines are to be constructed. Includes source. Author: Gregory Smith (original by "mark@pixar")

Spool The SPOOL system consists of 3 programs: A queue manager, a printer driver, and a SPOOL request program. The SPOOL system demonstrates the power of the Amiga's mutitasking abilities in a very practical way. It makes extensive use of Amiga Exec's message passing facilities and list-handling primitives. Version 1.2, includes source. Author: Tim Holloway

Wc A "word count" program, ala UNIX's wc, that is faster because it doesn't count what you don't ask for, plus some other improvements. Includes source. Author: Steve Summit

•Fred Fish Disk 70•

Note that many of the programs on this disk are shareware/freeware. This means that if you find them useful, you are morally obligated to send a small donation to the author to help support his efforts and fund further development. I hope that by including them in this library I have furthered the author's goals of widest possible distribution and thus maximum return. Released May 8, 1987

AmigaMonitor Dynamically display the state of the machine, including open files, active tasks, resources, device states, interrupts, libraries, ports, etc. Display window into memory. Version 1.13, binary only (source available from author). Author suggests $15 donation. Author: Jim Voris

Arc The ubiquitous compressing archiver program that has become the defacto standard for distributing binaries and multi-file postings on most BBS's. This is Amiga version 0.23, a port of arc version v5.0, binary only. Author suggests $35-$50 donation. Author: System Enhancement Associates Amiga version by Raymond Brand

BlackBook Keeps track of those important phone numbers and addresses. Shareware, author suggests $30 donation. Author: Craig Nelson

DoTil Lists, in alphabetical order, all files on any two directories, showing file size, creation date/time, and amount of free disk space. Also copies, renames, or deletes files and/or directories, and moves files from one directory to another. Version 2.0, shareware, author suggests $15 donation. Author: Dan Franki

GravityWars The object of this game is for one player to hit the other player's ship with a missle, before being hit yourself. The ships and planets don't move, but aiming the missle in the presence of gravity fields and black holes makes hitting your target difficult. Version 1.03, shareware, author suggests $5 donation. Author: Ed Bartz

Jobs An alternate user interface to WorkBench or CLI. Version 2.1, binary only. Author: John Sawaya

Lens This program magnifies a small area surrounding the pointer and displays it in a separate window. Version 1.0, binary only Author: Ned Konz

Life-3D A 3D version of the classic cellular-automaton game. Shareware, author suggests $20 donation. Version 1.2, binary only. Author: Bob Benedict

Logo A logo interpreter, with user interface like the Apple II logo. Shareware, author suggests $5 donation. Author: Gerald Owens

SetKey Keymap editor, version 1.0 demo. Version without save function disabled is $25. Binary only. Author: Charles Carter (CodeWorks)Vpg Video Pattern Generator. Creates displays useful for adjusting monitors and setting up live shots with center cross hair, frame, dots, H lines, V lines and an adjustable rectangle. Version 1.0. Author: Mike Berro

•Fred Fish Disk 71•

Released May 8, 1987

AirFoil Airfoil generator utilizing the Joukowski transformation. Generates airfoil models as well as their corresponding streamline and pressure distributions. Includes source. Author: Russell Leighton

AmiBas Some miscellaneous AmigaBASIC programs, including a 3D plot program, a kaleidoscope, a C-A logo drawing program, a file comparison utility, a string search program, etc. Includes source. Author: Peter Kittel

Blocks A variation of "lines", but with variable color blocks. Binary only. Author: Gary Walker

Comm Another nice terminal program. Version 1.34, binary only. Author: DJ James

DiskX A handy utility for poking around in the guts of an AmigaDOS file system. Binary only, but source available from author Author: Steve Tibbett

Fpic Fpic is an image processing program, designed specifically to be used in conjunction with digitized (Digi-View) lo-res black & white IFF picture files. Provides several filters, including average, binary (threshold), clipblit, cross, Sobel, Roberts, pixelize, sharpen, and a user defined matrix. Also supports merging of two images, histogram, image compare, and remapping. Binary only. Author: Bob Bush

IconMk Iconmaker builds icons for files that were created without them. Version 1.2a, binary only. Author: Eric Levy

Fred Fish Disks

Icons Various new Icons from several sources. Author: Several

NewFonts Two new fonts; shalt18, an electronic circuit element font, and ibm5, a PC like font, different from that for Sidecar. Author: Peter Kittel

PetCLI An AmigaBASIC program that allows editing in CLI command lines (similar to the PET and MYCLI). Includes source. Author: Peter Kittel

PWDemo Demo version 1.2 of the commercial product.

PowerWindows PowerWindows aids in creation of custom windows, menus, and gadgets. It will write C or assembly source implementing these, for linking with your programs. Binary only. Author: Inovatronics Inc.

Rot Program which generates and displays 3D objects. Consists of two pieces, an object editor and an action editor. The object editor creates 3D objects and the action editor defines up to 24 3D views of an object (which can be quickly cycled to get an animation effect). Version 0.5, binary only. Author: C. French

TimeSet Handy little utility to set the system time from the workbench environment, without resorting to preferences. Binary only. Author: Unknown (DEH?)

•Fred Fish Disk 72•

Released May 8, 1987

ViewILBM Program to view IFF pictures

Cathy A HAM picture of a pretty girl

Sugar A HAM picture of a blond girl

Library HiRES BW picture of an traditional structure

Marilyn HiRES BW collection of Ms. Monroe

Wharves HiRES BW tall ships in port

Cartoon HiRES Color fantasy humor

ImLate The White rabbit in HiRES color

Jimmy Disney's Jimmy The Cricketin HiRES color

Legends Fantasy Characters in HiRES color

BambooTiger BambooTiger in LoRes

Garfield Garfield in LoRes

Guru Guru fantasy in LoRes

Morri Morri in LoRes

Vampire Woman Vampire in LoRes

•Fred Fish Disk 73•

Released May 8, 1987

Add Lets you create keyboard shortcuts for selection of menu items in programs where the author did not make provisions for such shortcuts, or chose ones that disagree with you. Also includes "until" which waits for a specific named window to be created. Shareware, includes source. Author: John Russell

AutoIconOpen Example code to fool WorkBench into thinking it is receiving mouse inputs that select and open icons. Includes source. Author: Tony Wills

Dio A module which makes it very easy to use EXEC devices, such as the 'serial.device'. It's generic and can be used with any EXEC device. It allows you to easily open libraries, get multiple IO channels for a device, read, write, do asyncronous operations, etc. Includes source. Author: Matt Dillon

Dissolve
A program like ViewILBM, but the image slowly coalesces as pixels are added in random patterns. Inspired by an article in Nov 86 issue of Doctor Dobb's Journal by Mike Morton. Includes source. Author: Lee Robertson

DTerm Small, flexible, terminal program with intelligent data mapping, intelligent keyboard mapping, dynamic menus, intelligent command language, asyncronous IO, duplex control, and a state machine structure allowing you to build any automatic control structure you wish (from auto-redial, sequence dialing, to auto-logon). Version 1.10, binary only. Author: Matt Dillon

Expose Program which will automatically cause all screen drag bars and screen depth-arrangers to become exposed. Sends a message to windows which obscure the screen drag bars, asking them to move down a pixel, and also to become smaller if necessary. Includes source. Author: John Russell

Lit Lit filters a file to stdout, showing all characters in an unambiguous format. Printable characters are printed as is, non-printable characters are printed in any of three representation formats. Version 2.0, includes source. Author: Donald Irving

Lmv This shareware program, submitted by the author, is called "Long Movie". It loads up to 100 IFF graphics files and displays them in forward or reverse order, at up to 19 frames per second, to create computer animations for VCR recording. Binary only, source available from author. Author: Jim Webster

MouseOff Mouseoff will cause the mouse pointer to disappear and then reappear if mouse movement is detected. It will disappear again after 10 seconds of no mousing around. Includes source Author: Denny Jenkins

ParOut An example that uses the parallel port resources (ciaa.resource and misc.resource) to access the parallel port directly. Compiled, but untested, since I have nothing hooked to mine. Includes source. Author: Phillip Lindsay

PenPalFont A font which will make your six year old feel right at home in a CLI window. Cute. Author: Burton Ogden

RunBackGround Ancient history, but when I went looking for it on my disks, it was apparently something I missed. This program performs a function similar to that performed by RunBack on FF66, but this one is in C rather than assembler. Includes source. Author: Rob Peck

SnapShot A small utility for dumping screens. This one works like POPCLI and stays dormant until you press Ctrl-Esc. Previous release on FF66 did not work with with expansion RAM, this one does. Binary only. Author: Francois Rouaix

TypeAndTell Example program that demonstrates installation of an input device handler before the Intuition one. This example traps all keys typed by the user and pronounces them in real time. Includes source. Author: Giorgio Galeotti

Xplor A program that scans all the system lists that start in ExecBase and prints out their names and addresses at which they start. Includes assembly source. Author: Larry Phillips

•Fred Fish Disk 74•

Released May 8, 1987

Cled A simple command line editor which allows you to edit your commands before and after they are processed. Uses the arrow keys and simple control sequence keystrokes for cursor positioning and editing tasks. Version 1.3, binary only. Author: Pat Empleo

Control Program which provides finer control over the printer device. When it sees a DUMPRPORT, it fires up a requestor and lets you play with the values being passed in the IO Request block. Includes source. Author: Andy Finkel

Dme Version 1.25 of Matt's text editor. Dme is a simple WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary key mapping, fast scrolling, title-line statistics multiple windows, and ability to iconify windows. Update to version on FF59. Binary only. Author: Matt Dillon

DropShadow A program that makes your WorkBench windows have drop shadows. Update to version on FF59, this one has slider gadgets to adjust the 3-dimensional distance between window planes and the shadow darkness. Neat, version 2.0, binary only. Author: Jim Mackraz

Funds AmigaBASIC program to track the prices of mutual funds or stocks. Includes source. Author: Bill Strack

Less
Like UNIX "more", only better, with forward and backward scrolling, searching and positioning by percent of file and line number, etc. Very useful! This is Amiga version 1.1, an update to the version on FF34. Includes source. Author: Mark Nudelman, Amiga port by Bob Leivian

Makemake Reads C source files and constructs a vanilla makefile in the current directory. Includes source. Author: Tim McGrathm

CAD An object-oriented drawing program, version 1.2.4. Uses a small set of graphics primitives (like "line", "box", and "text") and a small set of editing functions (like "move", "size", and "rotate"). While drawing and editing, the user can call on other functions to modify the display; to zoom in, slide around, superimpose a grid, etc. Update to version on FF59. Shareware, binary only. Author: Tim Mooney

Random Simple random number generator in C. Includes source. Author: Gene Toole(?)

TDebug Monitor a device by intercepting the EXEC SendIO and DoIO vectors. This will give you most of the IO request information for any device. Version 1.00, includes source. Author: Matt Dillon

Units Units conversion program, including a chart option which allows you to create charts of conversions. Nifty. Includes source. Author: Gregory Simpson

XCopy A replacement for the AmigaDOS copy command. Preserves the file date, provides an "update only" option, and uses UNIX type wildcards. Binary only. Author: Lee Robertson

•Fred Fish Disk 75•

Released June 6, 1987

Bezier Simple programs to allow you to fool around with Bezier curves, using the mouse to move the points that define the curve and a prop gadget to change the granularity of the curve generation loop. Includes source. Author: Matt Dillon

BSplines Simple program to fool around with B-SPLINES, ala the Bezier programs described above. Includes source. Author: Matt Dillon

Comm Source release for comm version 1.34. Last release on FF71 was binary only.

Copy A replacement for the AmigaDOS copy program that is upwardly compatible, plus includes some new features like date preservation. Version 1.0, includes source. Author: Jeff Lydiatt

Diff A simple version of diff. Includes source. Author: Erik Baalbergen

DuM2 A version of the ever popular directory utility (dirutil) but this one is written in Modula 2 and includes source. Dirutil is a program to wander around a directory tree and perform various operations on files. Version 1.5. Author: Greg Browne

Eless A faster directory lister, that also sorts entries and displays directories in the current cursor color (ala the Manx "ls" program). Includes source. Author: Leo Schwab

Fd A modified version of Leo's "eless" that processes an entire track at a time, to minimize rereading of blocks. Includes source. Author: Leo Schwab, enhancements by Stephen Vermeulen

HardCopy A neat little program that creates a hardcopy transcript of any CLI session (like the UNIX "script" program). Includes source. Author: David Cervone

MouseOff Enhanced and smaller version of MouseOff released on FF73. MouseOff will cause the mouse pointer to disappear and then reappear if mouse movement is detected. Includes source. Author: Denny Jenkins, reworked by Tom Smythe

SetFont Program to change the font used by a workbench screen. Version 2.0, source included. Author: Dave Haynie

SpeedDir Another faster directory lister type program. This one uses the standard dir utility format for displaying directories. Written in assembler, includes source. Author: Bryce Nesbitt

•Fred Fish Disk 76•

Released June 6, 1987

Draco SYS I Fred Fish Disk 1 of 2 of Chris Gray's Draco distribution for the Amiga. Please note: as distributed, this disk is only about 65% full. Normally I try to fill my library disks to about 90-95% full, but these "packaged" disks are special.-Fred

•Fred Fish Disk 77•

Released June 6, 1987

Draco SYS II Fred Fish Disk 2 of 2 of Chris Gray's Draco distribution for the Amiga. Please note: as distributed, this disk is only about 80% full. Normally I try to fill my library disks to about 90-95% full, but these "packaged" disks are special.-Fred

•Fred Fish Disk 78•

Released June 6, 1987

Cycles A simple but enjoyable game apparently inspired by the cycle game in the movie "Tron". Version 1.0, binary only. Author: John G. Gilmore

EOMS Experts Only Mercenary Simulator. A neat (and tough!) PD game that was originally developed for eventual commercial release but, for various reasons, the author decided to release as PD instead. So far my son has beat every other Amiga game I've got, both PD and commercial, but he gave up on this one. For serious game players. Binary only. Author: Daniel Cardenas

MandelVroom A new Mandelbrot picture generator with some neat features, including use of contour map making techniques that allow you direct control over coloration and recoloration in seconds, selectable fixed point or floating point computations, contour palette, picture presets, etc. Version 1.50, includes source. Author: Kevin Clague

•Fred Fish Disk 79•

Released June 6, 1987

AsmTools Some CLI type tools, written in assembler (echo, load it, mounted, setlace, why). Includes source. Author: Bryce Nesbitt

AssignDev Assigns multiple names to a given device. For example, allows the names "df0:" and "df3:" to refer to the same physical device. Includes source. Author: Phillip Lindsay

AuxHandler Example of a DOS handler that allows use of a CLI via the serial port. Includes source. Author: Steve Drew

Cmd Cmd redirects the serial.device or parallel.device output to a file. Useful for capturing print jobs for debugging or "offline" printing. Includes source. Author: Carolyn Scheppner

Info Replacement for the AmigaDOS info command. Includes source. Author: Chuck McManis

Kill Removes a task and as much of its resources as possible. Can close windows, unload process code, etc. Includes source. Author: George Musser

M2Error M2error can be used to display compile errors produced by the TDI Modula-2 compiler, like the m2error supplied by TDI. Includes source. Author: Richie Bielak

MonProc An enhanced version of the process packet monitoring program from FF69. Includes source. Author: Phillip Lindsay, enhancements by Davide Cervone

Mounted A little program to run from CLI scripts to find out if a disk is mounted or not. Includes source. Author: Peter DaSilva

Nro Another roff style text formatter. Includes source. Author: Unknown, posted to usenet by Alan Vymetalik

ParTask Example program for finding the parent task of your current task. Includes source. Author: Andry Rachmat

QueryAny Simple program for use in CLI scripts to query for yes/no decisions. Includes assembler source. Author: Mark Smith

ScnSizer Sets the preferences data for increasing the window bounds, and takes effect immediately. Includes source. Author: Thad Floryan

SharedLib Working example of how to build a shared library. Includes source. Author: James Synge

Task Simple example of how to use CreateTask. Includes source. Author: Carolyn Scheppner

Uw UNIX Windows client for the Amiga. Version 1.00, includes source. Author: Michael McInerny

Who Lists tasks on the ready and wait queues. Includes source. Author: George Musser

Fred Fish Disks

•Fred Fish Disk 80•

Fred Fish 80 has been replaced by Fred Fish 90 due to publication problems.

•Fred Fish Disk 81•

Released July 8, 1987

Asm68k Full featured macro assembler, version 1.1.0, binary only. Well documented. Author: W. Wesley Howe

AutoFacc Autofacc automatically shrinks the ASDG FACC window and moves it to the back. Also allows the number of buffers to be increased or decreased. Most useful from the Startup-Sequence file while booting. Binary only. Author: Andry Rachmat

Brushes Contains 53 custom brushes for use in DPaint while drawing schematics. Includes things like resistors, capacitors, gates, transistors, IC pacs, etc. Author: Jim Lee

CheckIFF Program to check the structure of IFF files and report any problems. Binary only. Author: Unknown

Cled A simple command line editor which allows you to edit your commands before and after they are processed. Uses the arrow keys and simple control sequence keystrokes for cursor positioning and editing tasks. Update to version on FF74, this is version 1.4, binary only. Author: Pat Empleo

Conman Extremely useful replacement for the standard console handler, that provides line editing and command line histories completely transparent to any application program that uses CON: windows. This program is shareware, and well worth a donation to the author. Version 0.99B, binary only. Author: William Hawes

Fonts Several miscellaneous new fonts for your enjoyment. Author: (Several)

Icon Version 6.0 of the public domain implementation of Icon from the University of Arizona. Binary only. Author: Ralph Griswold, Cary Coutant, Steve Wampler, et al. Amiga port by Scott Ballantyne

KeyLock Freezes the keyboard and mouse until the correct password is typed. Protection against inquisitive kids, cats, and other lifeforms. Binary only. Author: Andry Rachmat

Scat Another display hack, created from Leo Schwab's "Ing" display hack. Binary only. Author: Stephen Pietrowicz

Smush Another display hack, feed it an IFF file and see what happens. Binary only. Author: Hobie Orris

Target A little program which takes over the mouse pointer and turns it into a gunsight. Pressing the mouse button flashes the pointer and gives a gunshot. Version 1.23, binary only Author: Matt Fruin and Michael McCarty

•Fred Fish Disk 82•

Released July 8, 1987

Adventure A port of the classic Adventure game originally by Will Crowther and Don Woods. Has been extended to a 550 point version. Also speaks as it prints (though I found this feature annoying). Minimum 512K recommended. Binary only. Author: David Platt, Ken Wellsch, Dave Haynie

AmicTerm A new terminal/communications program based on Dan James' "comm" program, but greatly enhanced. Includes a script language, auto redialing, choice of display beep or audible beep, enhanced file requester, and more. Version .50 (beta), binary only. Author: David Salas and Albert Kirk

D2D-Demo Demo version of Disk-2-Disk from Central Coast Software (submitted by George Chamberlin). Binary only. Author: Central Coast Software

DX-Synth Voice filer program for Yamaha DX series synthesizers. Voices are transfered to and from the Amiga over MIDI. Update to "VoiceFiler" released on FF38. Binary only. Author: Jack Deckard

DiskMan Another "disk browser and/or dirutil" type program. Version 1.0, binary only. Author: Greg Cunningham

Icons Miscellaneous new disk, directory, and file icons, including John Olsen's great "fishdisk" icon (thanks John!). Binary only. Author: Several

Panl A universal MIDI patch panel that allows MIDI parameter info to be sent from the Amiga to any MIDI device that can accept param info Version 1.2, binary only. Author: David Weinbach

Rocket Another interesting Workbench display hack. This one is really a game in disguise. Binary only. Author: Peter daSilva

Sand This program has "magnetic grains of sand" that follow the pointer wherever it goes. Cute. Binary only. Author: Eric Vaughan

•Fred Fish Disk 83•

Released July 8, 1987

TeXDdemo A demo version of TeX, ported to the Amiga by Tomas Rokicki. I have added "less" to read the text files. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using xcopy, which preserves the file dates. This insures that disk fragmentation is kept to a minimum. In order to make room for the files I have added, I have compressed the file TeX/inputs/amigatex.tex using a version of compress (compress.b13) that should run on any standard 512K amiga. This version of compress is found in c/compress.b13. To recover the original file, execute the commands: cd AmigaLibDisk83:TeX/inputs :c/compress.b13 <amigatex.tex.Z >ram:amigatex.tex -d.

Since this is a demo version of Tom's commercial product, it has several limitations that let you get the flavor of the real thing but encourage you to buy the commercial version. These limitations include TeX being limited to processing only small files, the previewer being limited to displaying ten pages or less, and only a small number of fonts being provided. The full version of AmigaTeX comes on eight floppies and will handle larger documents than most mainframe versions of TeX. See the tex/README file for further info.-Fred

•Fred Fish Disk 84•

Released July 8, 1987

AudioTools Demo programs from Rob Peck's article in the July/August issue. Author: Rob Peck

BlitLab Blitlab is a program which lets you experiment with the blitter, to your hearts content, in relative safety. It opens a workbench window with gadgets for all the registers of the blitter, and allows you to manipulate individual registers and perform blits on a magnified bitmap. This is version 1.2, an update to the version released on FF69. Includes source. Author: Tomas Rokicki

Ed An editor based on the editor described in the original Software Tools book. It is very similar to the UNIX "ed" editor, but not identical. Includes source. Author: Brian Beattie

GravityWars The object of this game is for you to hit the other player's ship with a missle before being hit yourself. The ships and planets don't move, but aiming the missile in the presence of gravity fields and black holes makes hitting your target difficult. Version 1.04, shareware, author suggests $5 donation. This is an update to the version on FF70, and includes source in Modula-2. Author: Ed Bartz

HunkPad Two programs to help reduce problems with padding added by xmodem transmission. Author: J. Hamilton and Aaron Avery

PipeHandler An AmigaDOS pipe device which supports OPEN, CLOSE, READ, WRITE, LOCK, EXAMINE, and EXNEXT. Thus you can have "named pipes". It also supports "taps" on a pipe, to capture all data flowing through the pipe. Version 1.2, includes source. Author: Ed Puckett

PopCLI Provides a simple way of starting another CLI at any time without having to load workbench or exit whatever program you may be using. Also has a built in screen saver mode that automatically blanks the Amiga console screen when there has been no input for a specified period of time. Version III, an update to the version on FF40. Includes source. Author: John Toebes

Requester A file name requester that looks like the one used in Deluxe Paint, and a sample program for using the requester. This is an update to the version released on FF34. Includes source. Author: Kevin Clague, enhancements by Randy Finch

ScottDevice A mountable MicroForge SCSI driver. Supports one SCSI buss device with two hard disk units attached to it. Version 33.1, includes source. Author: Scott Turner

Viacom Another of Leo's amusing little hacks. Sort of a political statement regarding the quality of service of a certain San Francisco area cable TV service. Includes source. Author: Leo Schwab

•Fred Fish Disk 85•

Released July 8, 1987

Csh Version 2.06 of Matt Dillon's csh like shell, modified for Manx C. Includes source. Author: Matt Dillon, Manx'ified by Steve Drew

FileReq Another file requester, but this one also has a fast pattern matching capability. Includes source. Author: Peter daSilva

Hide A small utility to allow you to run old or ill-written applications on systems with expansion RAM. When hide is running, all memory allocations take place in chip memory. Somehow, something like this missed making it onto my earlier disks. Binary only. Author: Francois Rouaix

ImageTools A set of shareware tools, submitted by the author, to do various manipulations on IFF images, including comparison of the color palettes of a pair of IFF images, filtering an IFF image in various ways, producing a color usage frequency chart for an IFF image, reducing the size of an IFF image to produce a miniature to use as an icon, converting an icon to an IFF image, and recoloring an IFF image using the palette of a second image, in a least squared error fashion. Shareware, binary only. Author: Stephen Vermeulen

LowMem
Another fine freely redistributable product from ASDG. This one is a low memory server, which is a compact shared library which allows arbitrary processes to register their desire to be notified of impending memory shortages. This allows good citizen programs to free up memory that they may not need, so other programs can use it. Binary only. Author: Perry Kivolowitz

Plot6 A star plotting program. Short on documentation and user friendliness, but interesting nevertheless. Also includes source. Author: Darrin West

RawIO Example of how to set your standard input to what is commonly known as "raw" and/or "CBREAK" mode on UNIX systems. Includes source. Author: Chuck McManis

Rocket Another interesting Workbench display hack. This one is really a game in disguise. It is the same as the one on FF82, but also includes source. Author: Peter daSilva

VMore A shareware program, submitted by the author, that is a "more" like text file viewing utility that can be run on multiple files from either the WorkBench or the CLI. Version 1.00, includes source. Author: Stephen Vermeulen

Vnews A simple news file reader, that will read all the news files in a specified directory, optionally starting with a specified file. Includes source. Author: Stephen Vermeulen

•Fred Fish Disk 86•

Released July 8, 1987

AutoPoint Autopoint serves two functions: It automatically selects the window underneath the mouse pointer and it provides a very nice screen saver facility. Binary only. Author: Jude Katsch

ClickToFront extends the user-interface so that a double-click into a window brings it to the front. Now as long as you can see any part of a window you can bring it to the front without having to hunt for the page gadgets. Version 1.1, includes source. Author: Bryce Nesbitt

Cmd Cmd redirects the serial.device or parallel.device output to a file. Useful for capturing print jobs for debugging or "offline" printing. Version 3, includes source. Author: Carolyn Scheppner

FileIISG-Demo A demo version of Softwood File IIsg, a database manager with sound and graphics. Also includes a database of previously released disks in this library, courtesy of Stan Spence. Binary only. Author: Woody Williams and Donald Brady

•Fred Fish Disk 87•

Released July 8, 1987

AdvSys An adventure writing system, as described in the May 1987 issue of Byte magazine. AdvSys is a special purpose programming language that was specifically designed to be used to write computer text adventure games. Version 1.2, binary only. Author: David Betz

AutoIconOpen Example code to fool WorkBench into thinking it is receiving mouse inputs that select and open icons. This is version 1.2, an update to the version on FF73. Includes source. Author: Tony Wills

Claz Converts IFF picture files to POSTSCRIPT. Works with Amiga HAM pictures, as well as "normal" pictures. Also includes scaling. Version 2.0, includes source. Author: Steve Ludtke

Commodities Commodities Exchange, an Amiga exec library which can be opened and used by application programs to gain access to input in a very flexible way. This is a "minimal, binary only" copy. Source may be available on a future disk. Version 0.4. Author: Jim Mackraz

Diff A simple version of diff. Update to version on FF75, includes source. Author: Erik Baalbergen

Dme Version 1.27 of Matt's text editor. Dme is a simple WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary key mapping, fast scrolling, title-line statistics multiple windows, and ability to iconify windows. Update to version on FF74. Binary only. Author: Matt Dillon

DropShadow A program that makes your WorkBench windows have drop shadows. This is version 2.0, the same as on FF74, but also includes source. Author: Jim Mackraz

Elib Example of building a shared library using small model Manx C. Includes source. Author: Jim Mackraz

ID-Handler An AmigaDOS device handler, that generates unique identifiers. Generates a new unique 16 digit decimal number each time it is opened by an application. Version 1.0, includes source. Author: Ed Puckett

Install Two Possible replacement versions of the standard install program (to make a disk bootable). Includes source. Author: Bryce Nesbitt and Scott Turner

MemWatch Memwatch is a program intended to slt in the background and watch for random trashing of low memory by an application under development. If it detects a write to low memory, it repairs it to what used to be there, then puts up a requester indicating what damage had been done. Very useful! Version II, includes source. Author: John Toebes

MovePointer Moves the pointer to any specified location on the screen, specified by X-Y coordinates. Includes source. Author: "Cewy"

MoveWindow Move a named window to any arbitrary X-Y coordinate and possibly resize it at the same time. Includes source. Author: "Cewy"

MunchingSq Leo's "Munching Squares" hack, now upgraded to take a single argument for a seed value. Includes source. Author: Leo Schwab

PalTest Example code of how to determine dynamically whether or not you are running on a PAL machine. Includes source. Author: Christof Bonnkirch

Sc Program which demonstrates generation of good looking pseudo-random scenery. Includes source in C (translated from Draco version on FF61). Author: Chris Gray

Tek4695 A Tek4695 printer driver. Binary only. Author: Philip Staub

WBDualPF An example of using a dual-playfield screen, using a method contrary to documentation in the Intuition Manual. Fixed version of copy released on FF41. Includes source. Author: Jim Mackraz

Fred Fish Disks

WarpText Fast text rendering routines, to be linked with application programs. Reported to be able to display text as fast, or faster than, "blitz". Includes source. Author: Bill Kelly

Yaiffr Yet Another IFF Reader. Handles HAM, HIRES, and overscan, includes source. Author: Leo Schwab

Zoo A file archiver much like "arc" in concept, but different in implementation and user interface details. Includes some nice features that "arc" lacks (such as file/path names up to 255 characters in length). Version 1.42A, binary only Author: Rahul Dhesi, Amiga port by Brian Waters

•Fred Fish Disk 88•

Fred Fish 88 has been replaced by Fred Fish 89 due to publication problems

•Fred Fish Disk 89•

This disk replaces FF88, which was pulled from circulation due to the redistribution status of files in the directory "snap". If you encounter a FF88 in circulation, please advise all parties concerned that the disk should be erased immediately. Released August 4, 1987

AutoEnquirer An example of a screen contraption that is like a requester except that it's not quite as demanding, goes where you want to put it, and remembers where it was put. Includes source and Manx'ified version of Chris Gray's fractalish terrain generator as a demo. Author: Howard Hull

DEMOlition Another neat little display hack. In the spirit of these things, ya gotta run it to find out what it does. Includes source. Author: Kriton Kyrimis

DirMaster A very nicely done shareware disk cataloger, submitted by the author for inclusion in the library. Includes sample database of some disk libraries. Version 1.0a, binary only. Author: Greg Peters

FuncKey A shareware function key editor, submitted by the author for inclusion in the library. Version 1.01, binary only (source available from author). Author: Anson Mah

MFF-Demo Demo copy of the MicroFiche Filer program from Software Visions Inc. The MicroFiche File is a full-powered database program for manipulation of text, numbers, and pictures. It uses the microfiche metaphor for dealing with your data graphically. This is a full production version except that the save option has been disabled. Includes a sample database of my disk library. Binary only. Author: Gary Samad

Screenshift Screenshift is a small program that allows you to adjust the position of the screen on your display, just like the preferences function. Works from CLI or WorkBench. Includes source. Author: Anson Mah

Snake A variant on the old "bouncing lines" program, this one uses multiple vertices and Bezier splines. Includes source. Author: KABjorke

•Fred Fish Disk 90•

Fred Fish 90 replaces Fred Fish 80, which was pulled from circulation due to the redistribution status of files in the directory "tools". If you encounter a FF80 in circulation, please advise all parties concerned that the disk should be erased immediately. Note that many of the programs on this disk are shareware/freeware. This means that if you find them useful, you are morally obligated to send a small donation to the author to help support his efforts and fund further development. I hope that by including them in this library I have furthered the author's goals of widest possible distribution and thus maximum return. Released August 4, 1987

AmiGazer Compute a view of the night sky, using a database of 1573 stars, for any date, time of day, and latitude. Click on stars for info about them. Binary only. Author: Richard Horne

CardFile Study aid card file program written in AmigaBASIC. Useful for organizing small blocks of data, such as can be done with a 3X5 card file system. Binary only. Author: James Parks

Conman Extremely useful replacement for the standard console handler, that provides line editing and command line histories completely transparent to any application program that uses CON: windows. Version 0.98B, binary only. Author: William Hawes

IMandelVroom A slightly modified version of Kevin Clague's mandelbrot program (on FF78) that uses his "ring detector" to draw an approximation of the interior strange attractor contours. Binary only (with patches for original source). Author: Kevin Clague, enhancements by Howard Hull

NewDemos Some new demos, including replacements for the standard "lines" and "boxes" demos, that use only a few percent of the CPU time, so it is reasonable to have lots of them running simultaneously to demo multitasking. Binary only. Author: Steve Koren

Othello Othello game, binary only. Author: Matthew Bellew

PrinText Program to display ASCII text files on the screen with scrollbar, arrow gadgets, automatic word-wrap, a search function, speech, IFF picture loading, and online help. Version 1.2, binary only. Author: Opher Kahane

PrtDrvGen Program to automatically generate custom printer drivers. Version 2.2b, binary only, source available from author. Author: Joergen Thomsen

RainBench Simple program which cycles the hardware color register to get an interesting effect on your workbench screen. Binary only. Author: Brendan Keliher

ShortCut A utility that collects keystroke sequences and allows you to replace them with a single key stroke. Binary only. Author: Opher Kahane

ShowPrint A full-feature IFF picture file screen dump utility. Can display and print all sizes of pictures including those larger than the screen. Allows adjustment of printer output in three modes: ASPECT, FULL, and CUSTOM output. Print vertically or horizontally, in B&W, grey scale, or color, etc. Binary only. Author: Brian Conrad

Sizzlers A series of graphics demo programs. Version 1.7.0, binary only. Author: Greg Epley

SpaceAceDemo Shareware shoot-em-up spaceship game. Binary only. Author: Stephen McLeod

Timer Creates a small window containing a timer. Version 1.5, binary only. Author: Bill Beogelein

•Fred Fish Disk 91•

Released September 8, 1987

ADL This disk contains a distribution of ADL (Adventure Definition Language). ADL is a superset of an older language named DDL, by Michael Urban, Chris Kostanick, Michael Stein, Bruce Adler, and Warren Usui. ADL enhancements were made by Ross Cunniff, who submitted this material for inclusion in the Fred Fish library. The standard library files "GeneralInfo", "Contents", and "Distribution", along with their associated icons, have been added to the disk. The directory 'c' has been added, along with a very nice text reader program called "less", which is the default tool for reading all the text files for which there are icons. Included here are the sources to the ADL compiler, interpreter, and debugger. The binaries were compiled by Ross with the Lattice 3.03 compiler. Ross noted in his letter that currently ADL is a CLI environment program only, but that he hopes to offer a more Amiga'ized version in the future. Also, the stack size should be set to at least 10000 before attempting to run ADL.

•Fred Fish Disk 92•

Note that none of the programs on this disk can be used from the workbench, thus they do not have any directory icons. You must use the CLI environment to use these materials. Released September 8, 1987

As6502 Contains a portable 6502 assembler, including source in C. Author: J. Van Ornum; Amiga port by Joel Swank

Bawk Text processor inspired by the UNIX Bawk utility. This is an update to the copy released on FF 65. Bawk searches files for specific patterns and performs actions for every occurance of these patterns. The patterns can be regular expressions. The actions are expressed using a subset of the C language. Includes source in C. Author: Bob Brodt; Amiga port by Johan Widen

HunkPad HunkPad pads an object file out to where it is exactly a multiple of 128 bytes, thus making it immune to having garbage appended on to the end of it by xmodem type file transfer protocols. Version 2, includes source. Update to version released on disk 84. Author: J. Hamilton

Less Like UNIX "more", only better, with forward and backward scrolling, searching and positioning by percent of file and line number, etc. Very useful! This is Amiga version 1.2, an update to the version on FF74. Includes source. Author: Mark Nudelman, Amiga port by Bob Leivian

Ndir Library that implements the 4BSD UNIX directory access routines (opendir, closedir, readdir, etc). Includes source in C. Author: Mike Meyer

Parse A recursive descent expression parser that parses expressions, computes the expression value, and prints it. Includes support for some built in transcendental functions. Includes source in C. Author: John Olsen

Shar Two programs to pack and unpack shell archives on the Amiga. Shell archives are the traditional Usenet method of bundling multiple text files for posting as a unit or for sending via electronic mail. Includes source in C. Author: Fabbian G. Dufoe

SmallLib A replacement for amiga.lib that is about 8 times smaller. Binary only Author: Bryce Nesbitt

UUencode Programs to encode/decode binary files for transmittal via mail or other text-only methods. The binary file is expanded by approximately 35% for transmittal. This release is an update to the version on FF53, and includes a simple line-by-line checksum technique that can read and write files compatible with the older uuencode/uudecode, plus a file size test modification that is transparent to older uudecodes. Author: Mark Horton with mods by Alan Rosenthal and Bryce Nesbitt

•Fred Fish Disk 93•

Note that none of these can be used from the workbench, thus they do not have any directory icons. You must use the CLI environment to use these materials. Released September 8, 1987

Dme Version 1.27 of Matt's text editor. Dme is a simple WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary key mapping, fast scrolling, title-line statistics multiple windows, and ability to iconify windows. Update to version on FF87 (which was binary only). This release also includes source. Author: Matt Dillon

MicroEmacs Version 3.8i of Daniel Lawrence's variant of Dave Conroy's microemacs. This is an update to the version released on disk 61. Includes source. Author: Dave Conroy, MANY enhancements by Daniel Lawrence

•Fred Fish Disk 94•

Note that none of the programs of FF 94 can be used from the workbench, they do not have any directory icons. You must use the CLI environment to use these materials. Released September 8, 1987

AudioTools Demo programs from Rob Peck's article in the July/August issue of Amiga World on accessing the audio device This is version 2, an update to the release on FF84. Includes source. Author: Rob Peck

ClickUpFront ClickUpFront is another program, similar in function to the ClickToFront program from disk 86, that allows you to bring any window to the front simply by double-clicking in any part of it. Version 1.0, includes source. Author: Davide Cervone

HeliosMouse Another "sunmouse" type program. Automatically activates a window simply by moving the mouse pointer into the window. Version 1.0, includes source. Author: Davide Cervone

Iff2Ps A program to convert any IFF file to postscript for printing or viewing on a postscript compatible device Version 1.2, binary only. Author: William Mason and Sam Paolucci

ModulaTools Various useful routines for those programming in Modula on the Amiga. Binary only. Author: Jerry Mack

Terrain 3D Program which demonstrates generation of good looking pseudo-random scenery. This version is a derivative of "sc" distributed on disk 87, but now displays terrain in 3D relief. Includes source. Author: Chris Gray; 3D version by Howard Hull

•Fred Fish Disk 95•

Released September 8, 1987

Cmd Cmd redirects the serial.device or parallel.device output to a file. Useful for capturing print jobs for debugging or "offline" printing. Version 4, includes source. Author: Carolyn Scheppner

CygnusEdDemo Demo version of CygnusEd, an editor from CygnusSoft Software. CygnusEd supports simultaneous editing of multiple files, multiple views of the same file, very fast display, margins, word-wrap, status-lines, insert/overstike mode, online help, soft scroll borders, screen overscan, adjustable tab size, macros, text formatting options, block/line/word cut/copy, and more. Also includes demo 3.0 version of MandFXP Binary only. Author: CygnusSoft Software

Gomf Gomf stands for "Get Outa My Face", a phrase many a programmer has mumbled when a Guru alert appears unexpectedly. This interesting little program can generally make the Guru go away and allow you to clean up and shutdown more cleanly. Version 1.0, binary only. Author: Christian Johnsen

Journal Journal is a program that records a sequence of mouse and keyboard events as they occur and stores them in a file. The file can be played back with another program, also supplied, which causes the same sequence of events to occur again. Very useful for creating demonstrations of programs or documenting repeatable bugs. Version 1.0, binary only. Author: Davide Cervone

MergeMem Program which attempts to merge the MemList entries of sequentially configured RAM boards. When successful allows allocating a section of memory which spans board boundries. This is version 2, an update to the version released on disk 56. Includes source. Author: Carolyn Scheppner

PrinterStealer A program similar in function to "Cmd" that allows diversion of output destined for the printer to a file for future output or debugging purposes. Binary only, source available from authors. Author: Alex Livshits and J-M. Forgeas

Record-Replay
A program, similar in function to "Journal", that records and plays back mouse and keyboard events. Binary only, source available from authors. Author: Alex Livshits and J-M. Forgeas

•Fred Fish Disk 96•

Released September 8, 1987

AnimPlayer An animation reader and displayer that is the result of a consortium of animation software developers, which includes the authors of Videoscape, Sculpt3D, Silver, Forms-In-Flight, and Animator:Apprentice. Includes source. Author: Martin Hash et al.

Chess A port of a chess game posted to Usenet. Still uses a "curses" type interface, so it needs to be Amiga'ized. According to Bob Leivian, it plays a better game than some of the commercial Amiga chess games. Version 1.0, includes source. Author: John Stanback; ported to Amiga by Bob Leivian

HackBench HackBench provides the source for a WorkBench-like program, for experimentation and validation of new interface ideas. It is not intended to be an actual WorkBench replacement. Author: Bill Kinnersley

Label Simple program to print labels with arbitrary text. Version 1.3, binary only, but source available from author. Author: Mike Hansen

LineDrawer Makes a line drawing based on drawing commands stored in a text file. Includes a demo that draws an outline map of the USA and state borders. Version 1.0, includes source Author: John Olsen

PopUpMenu Example code implementing pop-up menus that are reasonably compatible with Intuition menus. Includes source. Author: Derek Zahn

Tek4695 A Tektronix 4695/4696 printer driver. Includes source Author: Philip Staub

TimeRAM A program to test the access speeds of Fast and Chip RAM. Binary only. Author: Bruce Takahashi

WarpText Fast text rendering routines, to be linked with application programs. Reported to be able to display text as fast or faster than, "blitz". This is an update to the version released on FF 87. Version 2.0, includes source. Author: Bill Kelly

Fred Fish Disks

•Fred Fish Disk 97•

This disk replaces FF 57, which was pulled from circulation because of questions about the redistribution status of material in the "Ogre" subdirectory (replaced with "shm"). If you encounter a disk number 57 in circulation, please advise all parties concerned that the disk should be erased immediately. Below is a listing of the significant directories on this disk, and their contents. Released September 8, 1987

CutAndPaste Public domain implementations of the UNIX cut and paste commands. Includes source Author: John Weald

GraphIt A program to plot most simple functions in 2 or 3 dimensions, as well as 2d parametric equations in term of t. Includes source. Author: Flynn Fishman

Juggler Stunning animation of a robot juggler with ray traced reflective spheres. Uses HAM mode display and sound effects to boot! This is version 1.2 and apparently fixes some bugs in the original version released on FF47. Binary only. Author: Eric Graham

MouseReader Shareware program, submitted by the author, to read text files and view IFF files using only the mouse. Binary only. Author: William Betz

Shm A simple graphics demo which approximately simulates the motion of two interacting pendulums. Includes source. Author: Chris Ediss

Splines Program to demonstrate various curve fitting and rendering techniques. Also includes something unique for the Amiga world, pop-up menus. Includes source. Author: Helene (Lee) Taran

•Fred Fish Disk 98•

Released September 8, 1987

Access A 16 color terminal program based on Comm version 1.34 Includes new macro window, custom gadgets, colorized menus, etc. Version Beta 0.18, binary only. Author: Keith Young (based on comm by D.J. James)

Backup A simple backup program that writes normal AmigaDOS disks as the backup destination. To recover files, you just copy from the backup disk. Requires manual decisions about what subdirectories to backup to what disks to make everything fit. Includes source. Author: Alan Kent

DCDemo A demo version of DiskCat 2.3, a disk catalog program. Demo is limited to cataloging 100 files at a time. Binary only. Author: Ed Alford, MicroAce Software

HdDriver A complete driver for a WD-1002-05 hard disk controller card. This card can handle 3 hard disks and 4 floppies, but the driver currently only handles one hard disk. Includes source. Author: Alan Kent

QBase Quick-Base is a "MailBase Management utility", that lets you define and maintain records of your family, friends, and other associates. Currently a maximum of 200 records per file. Binary only. Author: Kevin Harris

Thai A simple Thai quiz program developed by the author while he was learning the Thai language. It loads complete Thai sentences and words from a supplied file. If you click on the sentence or word gadget the program will pick a random sentence/word. You then click on the Thai/Speak/Phonetic/ English gadget to display that version (or speak it). Includes source. Author: Alan Kent .

•Fred Fish Disk 99•

A-Render Version.3 a Ray-Tracing Construction Set for the Amiga Computer by Brian Reed ED

•Fred Fish Disk 100•

Released September 8, 1987

Berserk This animation, unveiled at the September 87 meeting of the First Amiga Users Group, got Leo a standing ovation. It is a "must see" for every Amiga user, and ranks up there with "Juggler" as a premier demo for the Amiga. Author: Leo Schwab

Conman Extremely useful replacement for the standard console handler, that provides line editing and command line histories completely transparent to any application program that uses CON: windows. This program is shareware, and well worth a donation to the author. Version 1.0, binary only. Author: William Hawes

WBLander Another interesting Workbench display hack. This one is really a game in disguise. Previously released on FF85 as "Rocket", this one has been upgraded to have sound effects. Binary only. Author: Peter da Silva

•Fred Fish Disk 101•

Released September 8, 1987

CirPlane A circular plane generator for VideoScape 3D. Generates a clockwise circular polygon with the specified number of vertices. Used, for example, to cap a cylinder or to generate surface detail. Version 1.0, includes source. Author: Thad Floryan

IconAssembler This program loads existing WorkBench icon files and allows you to change either the primary or alternate images to another image loaded from an IFF-brush file. Binary only. Author: Stefan Lindahl

MicroSPELL MicroSPELL is a standalone spelling checker which scans text files and reports on misspelled words. It has a 1000 word "common word" list, a 43,000 word main dictionary, and supports multiple user dictionaries. Also interfaces quite nicely with MicroEMACS 3.9, with an emacs macro to step through the source file, stopping at each suspect word and allowing the user to dispose of it in different ways. Version 1.0, includes source. Author: Daniel Lawrence

MIDI A midi library and utilities set. This looks like a very complete package, though I have no way of testing anything since I have no MIDI hardware. The MIDI utilities include a MIDI monitor to display incoming MIDI messages to the console, a routing utility, a MIDI library status utility, and more. Also includes source. Author: Bill Barton

PsIntrp A postscript interpreter that reads postscript files and previews them on an Amiga screen. Interactive input and output takes place in a small window. The page to be show is composed behind the window in an interlaced screen with 16 colors. Can also take input from a file. Includes source in assembler. Author: Greg Lee

StartUps Three replacements for the standard C startup files, Astartup.obj and LStartup.obj. The options include: (1) BothStartup.obj, for WorkBench programs or CLI programs with or without command line parameters, (2) WBStartup.obj, for WorkBench programs or CLI programs that require no command line parameters, and (3) CLIStartup.obj, for CLI programs that require command line parameters but do not need to be able to be runnable from WorkBench. Includes source. Author: Bryce Nesbitt

•Fred Fish Disk 102•

Released September 8, 1987

Dbug Machine independent macro based C debugging package. Provides function trace, selective printing of internal state information, and more. This is an update to the version released on disk 41, and now includes a machine independent profiling mechanism. Includes source. Author: Fred Fish; profiling support by Binayak Banerjee

Match-stuff Heavy duty text pattern matching stuff. The pattern syntax is an extension of standard AmigaDOS filename matching. Also includes some simply matched text replacement capability. Includes source. Author: Pete Goodeve

Sectorama A program designed to help Amiga users recover lost or damaged data from floppy or hard drives, or to repair a damaged volume. The author wrote this out of frustration with existing tools when he had multiple hard disk drive failures over the course of several months. Binary only. Author: David Joiner

SiliCon A smart input line interpreter that provides a separate command window with full editing and recall of previous commands. Actual name is "Sili(Con:)". This is an update to the version first released on FF50. Binary only. Author: Pete Goodeve

Xicon Xicon lets you use icons to call up scripts containing CLI commands. This is version 2.00, an update to the version first released on disk 31, and includes close gadgets, window size specification, text display capability, plus more. Binary only Author: Pete Goodeve

•Fred Fish Disk 103•

Released October 29, 1987

AvlTrees Library and test program that implement routines for creating and using balanced binary trees (AVL trees) held entirely in memory. Includes source. Author: Paul Vixie

Calc A programmable calculator program with similarities to a hand-held RPN calculator. Can run either interactively or in "script" mode by reading programs from a file. Version 1.0, shareware, binary only. Author: Bob Brooks

Cref A C cross referencer program. Includes source. Author: Mike Edmonds; Amiga port by Joel Swank

DosKwik A pair of programs which allow you to save files, or a group of files, to one or more floppies for quick loading (loading up a RAM disk for example). Does not store files in DOS format, which is why it is faster. Binary only, shareware. Author: Gary Kemper

IntuiDOS IntuiDOS is a program to give improved control over, and handling of, the material on all diskettes in the 'CLI-area' by employing a multi-disk, scrollable directory and using Intuition techniques to issue DOS commands. Written in assembler. Binary only. Author: Lennart Sandin

MFF-Update A text import utility for MicroFiche Filer (demo version released on disk 89) and updates to some PD disk library databases. Binary only. Author: Gary Samad

Pack-It Pack-it will take all the files and directories on a disk and pack them into a single file for electronic transmission via modem. Binary only, shareware. Author: Gary Kemper

Sol Amiga version of solitaire game posted to usenet some time ago and modified to use Amiga console control codes in place of curses calls. Includes source. Author: David Goodenough; Amiga port by Joel Swank

•Fred Fish Disk 104•

This disk contains a copy of Glenn Everhart's large and powerful spreadsheet program called AnalytiCalc. Source and documentation is included on the disk in arc'd form because it otherwise would not all fit on the disk. Released October 29, 1987

AnalytiCalc AnalytiCalc is a large and powerful spreadsheet program with sufficient extra features to have some pretentions of acting as an "integrated system". It is a virtual memory system supporting up to 18000 columns and 18000 rows, multiple equations per cell, an outlining system, built-in cell annotation, and datafile access from any cell(s) of the sheet, plus an array of functions not present in most commercial spreadsheets. This disk represents the initial Amiga port of AnalytiCalc, and as such the console interface is some what crude and in addition requires use of a custom keymap (one such is supplied) for sensible operation. This will be improved upon, but meanwhile the program is released with complete sources, documents, and executables. The graphics program and the DIF file access program are not yet ported; these will be released when they are ready. AnalytiCalc for the Amiga uses files compatible with those for AnalytiCalc on MS-DOS, VMS, or RSX-11M or IAS. An example project planner spreadsheet is included in the distribution to show off some of the things you can do. More example sheets will be forthcoming in the future. AnalytiCalc also supports matrix math, FFTs, infinite windowing, linear regression, date arithmetic, internal and external macros, LOTS of cell addressing modes, goal seeking in up to 8 dimensions, and more. AnalytiCalc requires perhaps 600K of RAM memory, at least one 360K diskette drive, and AmigaDOS 1.2, plus a larger than default stack. Display sizes supported can be up to 132 characters wide by up to 76 lines long. Sorry; I don't think AnalytiCalc supports proportionalfonts very well, though it should manage not to be totally brain damaged with them. The manual requires an 80 column printer. To see the documentation you need either a printer 80 columns wide to print it, or an 80 column screen to view it on. DO NOT use AnalytiCalc until you have read the documentation.

Requirements	
Minimum RAM	600K
Minimum Disk Drives	1
Minimum Disk Storage	880K
Vital Statistics	
Number of Columns	18000
Number of Rows	18000
Max Length of Formulas (characters)	109
Max Number of full cells	18000
Max simultaneous named areas	300
Number of exterior scratch cells	60
Precision of calculations (digits; 8 bytes used)	16
Total Max storage (bytes)	2,113,020
Max record size for data files accessed as database	128
Max files namable in one shee	18000
Max cell columns displayable on one screen	20
Max rows displayable in one display	75

THE USER-SUPPORTED CONCEPT. User-Supported Software You are encouraged to copy and share this program with others. If after evaluating this program you find it to be useful, I trust you to send a $10.00 payment. Glenn C. Everhart 25 Sleigh Ride Rd. Glen Mills, Pa. 19342

•Fred Fish Disk 105•

Released October 29, 1987

AsmProgs Some misc assembly tools, programs, etc.

AsmFilter (Actually in AmigaBASIC) turns the output of the Metacomco disassembler into a file that can be re-assembled.

AddKickMem Adds the KickStart memory to your free memory on an Amiga 1000 with Kickstart in ROM.

Clear Fills unused areas of memory with a specific byte pattern.

L is a replacement for the BCPL "list" program, but with some graphics enhancements.

SharpFont is an 8 pixel non-proportional font.

Stack is a replacement for the BCPL stack program. Includes some source. Author: Glen McDiarmid and Kirk Davies

BasicProgs Some more AmigaBASIC programs. LeastSquare solves least squares problems and graphs the results. Curves is a demo of one use for LeastSquare (find curves to fit a set of points). Freud is a Freudian analysis program. Includes source, needs AmigaBASIC from Extras. Author: George Trepal

Bison A replacement for UNIX "yacc" command. This is from the GNU (GNU is Not UNIX) effort, and was obtained from the Free Software Foundation. This is an update to the version on disk 51, with some more bug fixes provided by Fred Walter. Includes source. Author: Bob Corbett and Richard Stallman. Bug fixes by Johan Widen, Doug Leavitt, & Fred Walter

DMouse Another cute program in the tradition of "display hacks". Includes source. Author: Alex Livshits

FlamKey Installs a little key on the WorkBench screen title bar, and then waits in background until somebody clicks on the key. When activated, allows the keyboard and mouse inputs to be locked out until a password is entered. Shareware, binary only. Author: Alex Livshits

GravityWars The object of this game is for one player to hit the other player's ship with a missle, before being hit yourself. The ships and planets don't move, but aiming the missle in the presence of gravity fields and black holes makes hitting your target difficult. Version 2.0, shareware, binary only. This is an update to the version on FF84. Author: Ed Bartz

IPo2C A utility to write a C-language definition of the current intuition pointer to a file, which can then be used in a program via SetPointer to mimic the intuition pointer. Includes source Author: Alex Livshits

Pere-et-Fils Example of creating and using reentrant processes. Includes source. Author: Jean-Michel Forgeas

Record-Replay A program that records a sequence of mouse and keyboard events as they occur and stores them in a file. The file can be played back to cause the same sequence of events to occur again. Very useful for creating demonstrations of programs or documenting repeatable bugs. This is version 2.0, an update to the version on disk 95. Shareware, binary only. Author: Alex Livshits and J-M. Forgeas

Fred Fish Disks

•Fred Fish Disk 106•

Released October 29, 1987

FuncKey A shareware function key editor, submitted by the author for inclusion in the library. This is version 1.1, an update to the version on disk 89. Binary only (source available from author). Author: Anson Mah

MoreArt A small selection of some additional Amiga artwork submitted to me since the last "art" disk. Authors: Dana Dominiak and Larry Zasitko

QuickFlix An IFF slideshow and cel animation program that takes full advantage of the Amiga's multitasking operating system, supports all the graphics modes, can run with internal timing or be triggered by an external source, caches images in memory to achieve rapid frame rate, etc. Version 0.13, binary only, shareware. Author: Jeff Kunzelman, Rodney Iwashina, Takeshi Suganuma

RistiNolla A Finnish game. The name means something like CrossZero, and is also called Go-Moku. Version 1.0, shareware, binary only. Author: Mika Pihlajamaki

•Fred Fish Disk 107•

Released October 29, 1987

Csh Version 2.07 of Matt Dillon's csh like shell, modified for Manx C. Includes source. Author: Matt Dillon, Manx'ified by Steve Drew

Diff A file comparison utility, similar to other common "diff" programs. Includes source. Author: D. Krantz; Amiga port by Jeff Bailey

ProSuite This is the Amiga Programmers Suite Book 1.01. The suite provides example code of facilities that every programmer needs (such as FileIO Requester), provides examples of new facilities (such as XText and DoRequest), and provides a tutorial on how to program the Amiga. Includes source. Author: R.J. Mical

SVTools Some additional useful tools from Stephen Vermeulen. Includes a new version of Vnews, sit, setstack, retool, memlist, fragit, and yoyo. Includes source. Author: Stephen Vermeulen

•Fred Fish Disk 108•

Released October 29, 1987

AList A directory listing program based on Dave Haynie's LD4 program, with extensions and enhancements. Includes source. Author: Ed Kivi (original by Dave Haynie)

DirMaster A very nicely done shareware disk cataloger, submitted by the author for inclusion in the library. This is version 1.0b, an update to the version released on disk 89. Binary only. Author: Greg Peters

Dots-Perfect Printer driver for an Epson MX80 printer with the Dots-Perfect upgrade kit installed. Includes source. Author: Robbie Akins

MonIDCMP MonIDCMP lets you monitor the IntuiMessages that pass through an IDCMP window. It prints the message class, mouse coordinates, qualifier values, and other useful information when appropriate. Great for debugging applications and for snooping around in the inner workings of other programs. Includes source. Author: Davide Cervone

PrintPop A utility to enable the user to send some common control settings to the PRT: printer device. When installed, a left-amiga F1 sequence will pop up a small window with various options. Includes source. Author: Robbie Akins

Sectorama A program designed to help Amiga users recover lost or damaged data from floppy or hard drives, or to repair a damaged volume. The author wrote this out of frustration with existing tools when he had multiple hard disk drive failures over the course of several months. This is version 1.1, an update to the version on disk 102. Binary only. Author: David Joiner

Tek An enhanced version of Dave Wecker's vt100 (v2.6) which includes emulation for a Tektronix 4010/4014 graphics terminal. This is a much improved version of the Tek4010 program from FF52. Includes source. Enhancements by Nick Giordano and Terry Whelan

Zoo A file archiver much like "arc" in concept, but different in implementation and user interface details. Includes some nice features that "arc" lacks (such as file/path names up to 255 characters in length). This is version 1.42B, an update to the version released on disk 87. Binary only Author: Rahul Dhesi, Amiga port by Brian Waters

•Fred Fish Disk 109•

Released October 29, 1987

Machine A neat new animation from Allen Hastings. Author: Allen Hastings

SimCPM
A CP/M simulator for the Amiga. Simulates an 8080 along with H19 terminal emulation. Includes source. Author: Jim Cathey; Amiga port by Charlie Gibbs

UUpc Version 1.0 of a suite of programs that will allow you hook up your Amiga as a usenet node. Includes source. Author: Richard Lamb, Stuart Lynne, Jeff Lydiatt

•Fred Fish Disk 110•

Released October 29, 1987

A68k A 68000 assembler originally written in Modula-2 in 1985 and converted to C by Charlie Gibb in 1987. Has been converted to accept metacomco-compatible assembler source code and to generate Amiga objects. Includes source. Author: Brian Anderson; C translation and Amiga work done by Charlie Gibb

Pdc An optimizing C compiler for the 68000 processor. This is an update to the version first released on FF 53, though apparently not based on the code from that disk. Major porting work was done by Jeff Lydiatt to get it to the point where it would compile and execute simple programs on the Amiga. This version now generates metacomco-compatible assembler source code, which can be assembled by the assembler also provided on this disk and then linked by the freely redistributable linker "blink" (also provided). Includes all compiler source and some library and startup source code. Requires amiga.lib from developers kit to generate complete running example executables. Author: Matthew Brandt; major porting work by Jeff Lydiatt .

•Fred Fish Disk 111•

Released December 7, 1987

AmyLoad A graphical monitor of CPU, blitter, and memory use. Includes two components; load.device, which monitors system parameters, and amyload, which is the user interface and display program. Includes source. Author: Jeff Kelley

AssignDev
Assigns multiple names to a given device. For example, allows the names "df0:" and "df3:" to refer to the same physical device. This is a modified version of the original released on FF79. Includes source. Author: Phillip Lindsay, mods by Olaf Seibert

Gauge Continuously displays memory usage in a vertical bar graph, similar to the workbench "fuel gauge" type display for disk space. Binary only. Author: Peter da Silva

HeliosMouse Another "sunmouse" type program. Automatically activates a window simply by moving the mouse pointer into the window. Version 1.1, an update to the version released on disk 94. Includes source. Author: Davide Cervone

Labels Alphabetic and numeric ordered cross reference lists of defined system constants. Recommended for debugging purposes only, use the symbolic values in programs! Author: Olaf Seibert

Mandel Another mandelbrot generator program, with bits and pieces of code from C. Heath and R.J. Mical. Includes source. Author: Olaf Seibert

PopLife A PopCLI type thingie that instead plays life all over your screen. Lots of bits and pieces from Tomas Rokicki's blitlab and John Toebes' PopCLI. Includes source. Author: Olaf Seibert

•Fred Fish Disk 112•

Released December 7, 1987

BeachBirds Jerrold Tunnell's entry to the Badge Killer Demo Contest. Uses sprites and sound to portray a beach scene. Runs on a 512K machine. Binary only. Author: Jerrold Tunnell

Bully
Mike Meyer's entry for the Badge Killer Demo Contest. Pushes all open screens around (thus the name "bully"). Designed for showing off more than one demo at a time Includes source. Author: Mike Meyer

DropShadow Dropshadow version 2, rev 0, for use with Bryce Nesbitt's Wavebench demo. Binary only. Author: Jim Mackraz

HagenDemos Joel Hagen's Badge Killer Demo contest entries, "RGB" and "Focus". RGB was the overall winner of the contest. It requires a one meg Amiga to run. Binary only. Author: Joel Hagen

Viacom Latest version of viacom for use in conjuction with the WaveBench demo. Binary only. Author: Leo Schwab and Bryce Nesbitt

WaveBench This is Bryce Nesbitt's Badge Killer Demo Contest entry. It is a neat screen hack, and runs on 512K machines. For more laughs, try in conjunction with Viacom or Ds (Dropshadow). Includes source. Author: Bryce Nesbitt

•Fred Fish Disk 113•

Released December 7, 1987

AmiCron A simple UNIX "cron" type program, which is a background task that uses a disk-resident table to automatically run certain tasks on a regular basis, at specific times. Version 2.3, includes source. Author: Steve Sampson, Amiga port by Rick Schaeffer

Dme Version 1.28f of Matt's text editor. Dme is a simple WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary key mapping, fast scrolling, title-line statistics multiple windows, and ability to iconify windows. Update to version on FF93, includes source. Author: Matt Dillon

DOSDev Example DOS device driver in Manx C. Version 1.10, includes source Author: Matt Dillon

M2Amiga Demo version of the final product M2Amiga. A fast single pass Modula-2 compiler with editor, linker, a small set of interface and standard libraries. Compiles only small demo programs by limiting codesize and imports. Further development of the ETHZ compiler on Disk 24. Binary only. Demos with source. Authors: R. Degen, C. Nieder, M. Schaub, J. Straube (AMSoft)

NoIconPos This program clears the position info of any of your icons to allow WorkBench to pick a reasonable place for the icon again. Useful for disk and drawer icons where Snapshot rewrites the icon and the window information. Written in Modula-2, another demo for M2Amiga, showing the simplicity of programming with this Modula-2 compiler. Author: Markus. Schaub

•Fred Fish Disk 114•

Released December 7, 1987

CDecl English to C (and vice versa) translator for C declarations. This little gem will translate english such as "declare foo as pointer to function returning pointer to array 10 of pointer to long" into "long *(*foo)()[10]", and vice versa. An absolute must for anyone except possibly the most hardcore C guru. Includes source. Author: Graham Ross

Vt100 Version 2.7 of Dave's vt100 terminal emulator with kermit and xmodem file transfer. Includes a few bug fixes posted to Usenet shortly after the posting of version 2.7. This is an update to the version released on FF 55. Includes source. Author: Dave Wecker

WBLander This entry from the Badge Killer Demo Contest is a special version of the WBLander program from FF 100. The ending is unique. Also uses sound effectively. Includes source. Authors: Peter da Silva and Karl Lehenbauer

•Fred Fish Disk 115•

Released December 7, 1987

Killer Killer is an incredible demo written by Robert Wilt. It won fourth place in the Badge Killer Demo Contest. Requires at least one meg of memory to run. Sound is also an important part of the demo so be sure to turn it up. Binary only. Author: Robert Wilt

Marketroid Marketroid is Leo's entry for the Badge Killer Demo Contest. It is another devious sprite oriented demo with lots of "in" jokes. Runs on a 512K machine. Includes source. Author: Leo Schwab

•Fred Fish Disk 116•

Released December 7, 1987

Movies A RAM animation system with three different example animations; Kahnankas, Rocker, and F-15. Kahnankas won a close second in the Badge Killer Demo Contest. Both Kahnankas and Rocker run on a 512K Amiga and show off overscan HAM mode. Includes a animation player program (movie), animation builder programs (dilbm, pilbm), and a text/graphics display program (vilbm). Authors: Eric Graham and Ken Offer

•Fred Fish Disk 117•

Released December 7, 1987

AMUC_Demo A really neat horizontal scrolling demo that is a 2400 x 200 pixel 32 color IFF picture composed of Digi-View snapshots of members of the AMiga Users of Calgary, superimposed on a very wide picture of the Calgary Skyline. Binary only. Author: Stephen Vermeulen and Stephen Jeans

ExP_Demo Demo version of Express Paint 1.1. This is the program that was used to create the huge scrolling demo picture in the AMUC_Demo drawer on this same disk. Binary only. Author: Stephen Vermeulen

•Fred Fish Disk 118•

Released December 7, 1987

Empire This is a complete rewrite, from the ground up, in Draco, of Peter Langston's Empire game. Empire is a multiplayer game of exploration, economics, war, etc, which can last a couple of months. Can be played either on the local keyboard or remotely through a modem. This is version 1.0, shareware, and includes source code. Author: Chris Gray, original game by Peter Langston

HAMmmm This is Phil's entry for the Badge Killer Demo Contest. HAMmmm displays lines whose end points are bouncing around the screen, which is a double buffered HAM screen. The Y positions of the points are continuously copied into an audio wave form that is played on all four channels, and the pitch of a just intoned chord is derived from the average X position of these points. Includes source in JForth. Author: Phil Burk

Stars Hobie's entry for the Badge Killer Demo Contest. Based on original code by Leo Schwab, has credits longer than the actual demo. Runs on 512K Amiga. Binary only. Author: Hobie Orris

WireDemo Matt's entry for the Badge Killer Demo Contest. Demonstrates the Amiga's line drawing speed. Runs on a 512K Amiga. Includes source. Author: Matt Dillon

•Fred Fish Disk 119•

Released January 3, 1988

MicroEMACS Version 3.9e of Daniel Lawrence's variant of Dave Conroy's microemacs. This is an update to the version released on FF 93. Also included, for the first time, is extensive documentation in machine readable form. Includes source. Author: Dave Conroy, MANY enhancements by Daniel Lawrence

•Fred Fish Disk 120•

Released January 3, 1988

Amoeba This clone of Space Invaders is one of the best freely redistributable games for the Amiga to date. Unlike many commercial games, it even works correctly in a multitasking environment (by not requiring you to reboot just to play a game). Highly recommended! Binary only. Author: LateNight Developments

BackGammon A graphical Backgammon game done as an undergraduate A.I. course project. Version 1.0, includes source. Author: Robert Pfister

Bankn A complete checkbook system offered by the author as shareware. Version 1.3, binary only. Author: Hal Carter

EgyptianRun Cute little "road race + hazards" type game. Version 1.1, binary only, shareware, source available from author. Author: Chris Hames

IconImage Program to replace an old icon image with a new image, without affecting icontype, drawer data, etc. Includes source Author: Denis Green

Fred Fish Disks

•Fred Fish Disk 121•

Released January 3, 1988

BasicStrip An AmigaBASIC program that helps to convert programs written in other forms of Basic to AmigaBASIC. Author: George Trepal

DataPlot A shareware plotting program written in AmigaBASIC. Also includes a least squares curve fit program. Author: Dale Holt

Plot A shareware 3D graphing program written in AmigaBASIC, with some sample output plots. Source available from author. Author: George Trepal

Stairs This AmigaBASIC program demonstrates a musical illusion based upon perceptual circularity of widely spaced tones whose volumes are defined as a sinusoidal relationship to their frequency. Author: Gary Cuba

Uedit Version 2.3 of this nice shareware editor. Has learn mode, a command language, menu customization, and other user configurability and customizability features. Binary only, shareware, update to version on FF 60. Author: Rick Stiles

WBColors A simple little program to change the Workbench colors to a predetermined color set, for programs that expect to be booted off their distribution disk but instead are run from a hard disk. Includes source. Author: Stefan Lindahl

•Fred Fish Disk 122•

Released January 3, 1988

Asteriods Nicely done "blast the asteriods" type game. Unique feature is that all the images and sounds are replaceable by the end user. So instead of ships and rocks, you can have an Amiga against a horde of IBM PC's if you wish. Author: Rico Mariani

Iff2Pcs An interactive puzzle program that takes any IFF file containing up to 16 colors, and breaks it up into squares to make a puzzle which the user can then piece back together again. Version 1.0, includes source. Author: Ali Ozer

Names A shareware program to create and manage mailing lists. Binary only. Author: Ernie Nelson

Pr A little utility to print listings in different formats. Similar to the UNIX "pr" program. Includes source. Author: Samuel

PushOver A neat little board strategy game, in AmigaBASIC. Push your pieces onto the board until you get five in a row in any direction. Includes source. Author: Russ Yost

PuzzlePro Create a puzzle from an IFF picture, which the user can then piece back together again. Written in AmigaBASIC. Version 1.0, binary only, shareware, source available from author. Author: Syd Bolton

•Fred Fish Disk 123•

Released January 3, 1988

Arp ARP stands for "AmigaDOS Replacement Project". Arp is an effort led by Charlie Heath of Microsmiths Inc., to replace the current DOS in a compatible fashion, so that current programs will continue to work. Arp also makes whatever improvements are possible, so that current and future programs will work better. Author: Various authors contributed work

Car This animation is one of Allen's entries to the Badge Killer Demo Contest. It apparently is an inside joke relating to a well known Amigan's experience with a certain highend graphics hardware manufacturer. Author: Allen Hastings

•Fred Fish Disk 124•

Released January 3, 1988

Icons Some sample animated icons. You might find just the1 icon for that refugee CLI program you've been meaning to make runable from the WorkBench environment. Author: L. Pfost

Tarot An AmigaBASIC program written by the author as an exercise for learning BASIC. Contains some nice graphic renditions of tarot cards. Author: L.Pfost

•Fred Fish Disk 125•

Released January 3, 1988

ElGato This animation is Kevin's entry to the Badge Killer Demo Contest. It also has a background music arrangement, that requires Sonix to use. Author: Kevin Sullivan .

•Fred Fish Disk 126•

Released January 3, 1988

Colour A program to manipulate the colors of specific named screens, saving their current color sets to data files, loading new color sets from data files, or interactively changing the colors. Includes source. Author: John Russell

Dance These two programs, "dancing polygons", are John's entry to the Badge Killer Demo Contest. They are variations of one another, but demonstrate the range of colors available on the Amiga. Includes source. Author: John Olsen

HBHill This animation is one of Kevin's entries to the Badge Killer Demo Contest. It is the first known animation that makes use of the Amiga's "Extra Half Brite" mode. Author: Kevin Sullivan

Iconify A subroutine that creates an icon on the Amiga screen that can be subsequently dragged around, and double-clicked on. You can use this to have your programs "iconify" themselves to temporarily get out of the user's way. Includes source and demo program. Author: Leo Schwab

OnlyAmiga This animation is Iqbal's entry to the Badge Killer Demo Contest. It consists of tree balls being juggled by pyramids rotating on their tops. Author: Iqbal Singh Hans

Suplib The support library needed to rebuild various programs of Matt's from the source, including DME, DTERM, etc. Includes source. Author: Matt Dillon

VCheck Version 1.2 of the virus detection program from Commodore Amiga Technical Support. This version will test for the presence of a virus in memory, or on specific disks. Binary only. Author: Bill Koester.

•Fred Fish Disk 127•

Released January 3, 1988

Bounce This program is Steve and Tom's entry for the Badge Killer Demo Contest. It creates little dots that bounce around and multiply. Includes source. Author: Steve Hansel and Tom Hansel

Nemesis This demo is Mark's entry to the Badge Killer Demo Contest. It is quite small for what it does, and won fifth place in the contest. Binary only. Author: Mark Riley

Ripples This animation is one of Allen Hastings' entries to the Badge Killer Demo Contest. Unlike most other animations, it shows a fixed object from a moving point of view, rather than a moving object from a fixed point of view. Author: Allen Hastings

•Fred Fish Disk 128•

Released January 3, 1988

Dis A 68000 disassembler, written in 68000 assembler. Includes source. Author: Greg Lee

DropCloth DropCloth lets you place a pattern, a 2 bitplane IFF image or a combination of a pattern and image, into the WorkBench backdrop. Version 2.2, shareware, binary only. Author: Eric Lavitsky

LedClock An extremely simple clock program, for interlaced screens only. Includes source. Author: Ali Ozer

MRBackUp A hard disk backup utility that does a file by file copy to standard AmigaDOS floppy disks. Includes an intuition interface and file compression. Version 1.3, includes source. Author: Mark Rinfret

Paint A simple screen painting program, written in web. Requires web preprocessing program to rebuild from source. Includes source in web. Author: Greg Lee

PrtDriver A printer driver for the Toshiba "3 in one" printer in its Qume (best) mode. Includes source in C and assembler. Author: Rico Mariani

SDBackUp A hard disk backup utility. CLI interface only. Does file compression. Version 1.1, binary only. Author: Steve Drew

Sed A clone of the UNIX sed (Stream EDitor) program. Includes source. Author: Eric Raymond

wKeys A "hot-keys" program that binds keyboard function keys to window manipulation functions (window activation, front to back, moving screens, etc). Includes source. Author: Davide Cervone

•Fred Fish Disk 129•

Released March 21, 1988

DOSKwik A pair of programs which allow you to save files, or a group of files, to one or more floppies for quick loading (loading up a RAM disk for example). Does not store files in DOS format, which is why it is faster. Version 2.0, update to version on FF 103. Binary only, shareware. Author: Gary Kemper

MRBackUp A hard disk backup utility, that does a file by file copy to standard AmigaDOS floppy disks. Includes an intuition interface and file compression. Versions 2.0 (with sources) and 2.1 (binary only, source available from author). This is an update to version on disk 128. Author: Mark Rinfret

PaintJet An "official" Hewlett Packard PaintJet printer driver received directly from HP sources. Author: Unknown

Patch Two independent ports of the very useful UNIX utility "patch", which applies context diffs to text files to automatically update them. Patch version 1.3 was ported to the Amiga by Rick Coupland and patch version 2.0 was ported by Johan Widen. Includes source. Author: Larry Wall

•Fred Fish Disk 130•

Released March 21, 1988

DirMaster A very nicely done shareware disk cataloger, submitted by the author for inclusion in the library. This is version 1.1, an update to the version released on disk 108. Lots of neat new features and enhancements. Binary only. Author: Greg Peters

Evo A human evolution toy/tutorial. Includes source. Author: Steve Bonner

Hp A nice RPN calculator program that supports calculations with binary, octal, decimal, hex, float, and complex numbers. Other features include 32 registers for storing data and transcendental functions. Version 1.0, includes source Author: Steve Bonner

Mach A "mouse accelerator" program that also includes hotkeys, the features of sunmouse, clicktofront, and popcli, a title bar clock with a bbs online charge accumulator, and more. Version 1.6a, includes source. Author: Brian Moats

PatEdit A pattern editor for creating patterns to input to the Amiga SetAfPt macro call. This call sets the area fill pattern for the area filling graphics calls such as RectFill, AreaDraw, etc. Includes source. Author: Don Hyde

QMan Mandelbrot generator written partially in assembly for speed. Includes source. Author: Steve Bonner

•Fred Fish Disk 131•

Released March 21, 1988

Dfc Copies disks like Maurader, but multitasks. Replaces both diskcopy and format but is smaller than either. It even has a nice little Intuition interface. Includes source. Author: Tomas Rokicki

HyperBase Nice little shareware database management system. Version 1.6, binary only, source available from authors. Update to version on FF58. Author: Michael MacKenzie, Marc Mengel, and Craig Norborg

Life A new version of Tomas's ancient Life game, but with a new macro language for setting up patterns, some good examples, and some more good stuff. Includes source. Author: Tomas Rocicki

Mackie Popcli replacement that draws pretty lines on the screen in blanking mode. Includes source. Author: Software Distillery; enhancements by Tomas Rokicki

Mg1b A version of Mg1b with an ARexx port and other improvements by Tomas Rokicki. Finally you can define macros and bind them to function keys in your startup file! Includes source. Author: Various; enhancements by Tomas Rokicki

WFrags Another version of Frags, but this one pops up a nice little window that updates occasionally. Necessary for developers who wonder what their program is doing to memory, or wonder why they can't load that program. Includes source. Author: Tomas Rokicki

•Fred Fish Disk 132•

Released March 21, 1988

Berserk This animation, unveiled at the September 87 meeting of the First Amiga Users Group, got Leo a standing ovation. It is a "must see" for every Amiga user, and ranks up there with "Juggler" as a premier demo for the Amiga. The difference between this distribution, and the one on disk 100, is that this one includes "source". I.E. it contains all the object descriptions necessary to recreate the animation. Thus you can, if you like, try modifying various objects to create slightly different animations, or use it as an example for creating your own animations. Seldom does a disk get devoted to a single program, however animation is one of the Amiga's greatest strengths, and I felt it was appropriate to have at least one animation that was available at the "source code" level. Author: Leo Schwab

•Fred Fish Disk 133•

Released March 21, 1988

Conman Extremely useful replacement for the standard console handler, that provides line editing and command line histories completely transparent to any application program that uses CON: windows. This program is shareware, and well worth a donation to the author. Version 1.1, binary only, update to version on disk 100. New features include additional editing keys, fast search keys, undo key, clear history command, and more. Author: William Hawes

Crc Two programs that are very useful for generating 16-bit CRC listings of the contents of disks, and verifying that a given disk's files still compute to the same CRC's as listed. Version 1.0, binary only. Author: Don Kindred

CrcLists Complete CRC check files for disks 1-128 of the library, using the Crc program also included on this disk. These were made directly from my master disks. Author: Fred Fish

Overscan Patches the Intuition library so that sizable windows with MaxHeight of 200 (400 in interlace) and screens with Height of 200 (400 in interlace) will take advantage of the PAL overscan capability of Intuition V1.2. This seems to be useful only for European users that wish to run software written for the American market, without modifying the applications, but still using the additional space. Includes source. Author: Ari Freund

•Fred Fish Disk 134•

Released March 21, 1988

BoingThrows A 50 frame HAM animation done with Sculpt-3D, and minor touchups with DigiPaint. The animation took about 325 hours of runtime to generate. Author: Marvin Landis

Browser A workbench tool, using text-only windows, that makes all files in the system accessible for executing, copying, moving, renaming, deleting, etc. Billed as a "programmers workbench". Version 1.2, binary only Author: Peter daSilva

Dme Version 1.29 of Matt's text editor. Dme is a simple WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary key mapping, fast scrolling, title-line statistics multiple windows, and ability to iconify windows. Update to version on FF113, includes source. Author: Matt Dillon

Find Find is a utility which searches for files that satisfy a given boolean expression of attributes, starting from a root pathname and searching recursively down through the hierarchy of the file system. Very much like the UNIX find program. Version 1.0, includes source. Author: Rodney Lewis

Library Demo version of a shareware program that stores textual information without regard to structure or content, and allows complicated searching for specific patterns. Written in assembler for speed, binary only. Author: Bill Brownson

SmartIcon This shareware program, submitted by the author, is an Intuition objects iconifier. Version 1.0 is limited to iconifying windows, which is still very handy. It adds a new "iconify gadget" to each window, that when clicked on, iconifies the window into an icon in the RAM: disk. Binary only, source available from author. Author: Gauthier Groult

Fred Fish Disks

•Fred Fish Disk 135•
Released March 21, 1988

TeXF A selection of 78 TeX fonts, with a conversion program to convert them to Amiga fonts. There are 22 different fonts at various sizes, ranging from 15 pixels high to more than 150 pixels. The conversion program can also be used with the fonts distributed with AmigaTeX, yielding an additional 1000 or so more fonts for use with other Amiga programs. Version 2.5, binary only. Author: Ali Ozer

•Fred Fish Disk 136•
Released March 21, 1988

AsmToolBox An assembler "toolbox" created to make interfacing between assembler programs and AmigaDOS easy. Includes source. Author: Warren Ring

Bison A replacement for UNIX "yacc" command. This is from the GNU (GNU is Not UNIX) effort. It is a port of the latest GNU version, done by William Loftus, with the goal of preserving all of bison's current features. Includes source and testing program "calc". Author: Bob Corbett and Richard Stallman.

Iff2Pcs An interactive puzzle program that takes any IFF file containing up to 16 colors, and breaks it up into squares to make a puzzle which the user can then piece back together again. Version 1.1, an update to the version on disk 122, includes source. Author: Ali Ozer

Paste A version of the UNIX paste utility. Paste concatenates corresponding lines of the specified files into a single output line (horizontal or parallel merging) or concatenates them into alternate lines (vertical or serial merging). Includes source. Author: David Ihnat

YaBoingII A game program demonstrating hardware sprite usage, including collision detection. This is an update to the version on disk 36. Includes source. Author: Ali Ozer, based on original by Leo Schwab

Zoo A file archiver, much like "arc" in concept, but different in implementation and user interface details. Includes some nice features that "arc" lacks (such as file/path names up to 255 characters in length). This is version 1.71, an update to the version released on disk 108. Binary only. Author: Rahul Dhesi, Amiga port by Brian Waters

•Fred Fish Disk 137•
Released March 21, 1988

Ct An Amiga program to display images from a CT scanner, along with several interesting sample images of scans of real people, including a skull, brain, heart, and spine. Each image is 256 by 256 pixels in 2048 gray scale. The display software, though it has a primitive user interface, is quite powerful, including functions like convolutions, averaging, laplacians, unsharp masking, edge detection, gradients, etc. Binary only. Author: Jonathan Harman

JeansIcons Miscellaneous cute icons created for AMUC's monthly newsletter disk. Submitted by Stephen Vermeulen. Author: Steve Jeans

Muncho A cute little program which plays a digitized sound sample when you insert or remove a disk from your drive. If you don't like the sounds, you can replace them with your own. Binary only. Author: Andrew Werth

Sit An update to the Set Icon Type program from FF 107. Version 1.10, includes source. Author: Stephen Vermeulen

VGad A new gadget editor that takes two pictures of the window and its gadgets, one being the normal gadget state and the other being the fully selected state, and then merges the data and converts to C source code. Version 1.0, binary only. Author: Stephen Vermeulen

VirusX A boot sector virus check program that runs in the background and automatically checks all inserted disks for a nonstandard boot sector. Such disks can optionally have their boot sector rewritten to remove the virus. Includes source. Author: Steve Tibbett

VLabel A program to print fancy customized disk labels. It will combine an IFF picture and up to 50 lines of text (which may be placed arbitrarily in any font or point size) and then print the result. The IFF picture can be virtually any size (up to 1008 by 1000). It will also print labels from a batch file produced by SuperBase. Version 1.20, binary only Author: Stephen Vermeulen

•Fred Fish Disk 138•
Released March 21, 1988

AmigaLine A series of various technical notes for Amiga programmers. Author: Byrce Nesbitt

Diff A program that uses the same algorithm as the UNIX diff program and also produces context diffs, suitable for use with patch. Binary only. Author: Unknown (Decus C diff?)

Foreach A simple but useful program that expands a wild card file specification and then invokes the specified command once per expanded filename, with the expanded filename as the command argument. Includes source. Author: Jonas Flygare

MacFont A conversion tool to convert Mac fonts to Amiga fonts. Binary only. Author: John O'Neill and Rico Mariani

ModulaTools Various useful routines for those programming in Modula on the Amiga. Update to version on FF 94, includes source. Author: Jerry Mack

Vt100 Two new versions of Dave's vt100 terminal emulator. One version, based on vt100 2.6, has been enhanced by John Barshinger to include an iconify feature, add full 132 column support using overscan, and other miscellaneous features. This version is available in binary only. The second version is release 2.8 of the mainstream version of vt100, as enhanced and supported by Tony Sumrall. This one include source. Author: Dave Wecker

•Fred Fish Disk 139•
Released May 28, 1988

AmiCron An enhanced and debugged version of AmiCron 2.3 from FF113. Includes source. Author: Steve Sampson, Rich Schaeffer, Christian Balzer

ListScanner A nice little utility to display all the Exec lists. Somewhat like the Xplor utility from FF 73. Includes source in assembler. Author: Heiko Rath

ProCalc A program that simulates an HP-11C programmable calculator. Includes both an English version and a German version. Shareware, binary only. Author: Gotz Muller

RemLib Removes a specified library (if currently unused) or displays some information about all available libraries. Includes source in assembler. Author: Heiko Rath

TurboBackup A fast mass floppy disk duplicator with enforced verify mode to prevent generation of incorrect copies. Version 1.00, binary only. Author: Steffen Stempel and Martin Kopp

WArranger Sends a window, identified by its name, to the front or to the back, without selecting it. Useful in conjunction with AmiCron. Works on all screens. Includes source in assembler. Author: Heiko Rath

WheelChairSim A wheelchair simulator developed as a project for the Technical Resource Centre and the Albert Children's Hospital, to allow the matching of a wheelchair joystick to a child's handicap and allow the child to practice using the chair in a safe (simulated) environment. Binary only. Author: Unknown, submitted by Dr. Mike Smith

•Fred Fish Disk 140•
Released May 28, 1988

SBProlog V1.a Volume 1 of the 2 volume Stony Brook Prolog (SBP) distribution, version 2.3.2. This volume contains the executables and libraries. Volume 2, on FF 141, contains the C and Prolog source code. From the SB-Prolog System, Version 2.2 User Manual: "SB-Prolog is a public-domain Prolog system for UNIX(tm) based systems originally developed at SUNY, Stony Brook.

SBProlog V1.b The core of the system is an emulator, written in C for portability, of a Prolog virtual machine that is an extension of the Warren Abstract Machine. The remainder of the system, including the translator from Prolog to the virtual machine instructions, is written in Prolog."

SBProlog V1.c In addition to providing a compiler, SB-Prolog also offers advanced features such as dynamic loading, mixing of compiled and interpreted code, macros, extension tables, a debugging facility offering two levels of tracing, profiling tools, and other utilities. Authors: Logic Programming Group at SUNY, Stony Brook Amiga port by David Roch and Scott Evernden

•Fred Fish Disk 141•
Released May 28, 1988

SBProlog Volume 2 of the 2 volume Stony Brook Prolog (SBP) distribution, version 2.3.2. This volume contains the C and Prolog source code. Volume 1, on FF 140 contains the executables and libraries. From the SB-Prolog System, Version 2.2 User Manual: "SB-Prolog is a public-domain Prolog system for UNIX(tm) based systems originally developed at SUNY, Stony Brook. The core of the system is an emulator, written in C for portability, of a Prolog virtual machine that is an extension of the Warren Abstract Machine. The remainder of the system, including the translator from Prolog to the virtual machine instructions, is written in Prolog." In addition to providing a compiler, SB-Prolog also offers advanced features such as dynamic loading, mixing of compiled and interpreted code, macros, extension tables, a debugging facility offering two levels of tracing, profiling tools, and other utilities. Authors: Logic Programming Group at SUNY, Stony Brook Amiga port by David Roch and Scott Evernden

SmallC An Amiga port of the Small-C compiler, written by Ron Cain and published in Dr. Dobb's Journal, in about 1980. Small-C is a rather small subset of the full 'C' language However, it is capable of compiling itself, and other small, useful programs. Requires an assembler and linker to complete the package and produce working executables. Includes source and binary. Author: Ron Cain. Amiga port by Willi Kusche.

•Fred Fish Disk 142•
Released May 28, 1988

.Diff A program that uses the same algorithm as the UNIX diff program and also produces context diffs, suitable for use with patch. This is the same version that was distributed on FF 138, but now includes the missing files (including source code). Author: Unknown (Decus C diff)

FracGen A fractal generator program that generates fractal pictures from "seeds" that you create. This is unlike any of the other "fractal generators" I've seen. It can be used to load and display previously created fractal pictures, modify existing fractals, or create your own fractals. Version 1.1, binary only. Author: Doug Houck

SciSubr The Scientific Subroutine Package from DECUS, ported to the Amiga to run with Absoft Fortran. This is a valuable resource of mathematical and statistical source code for those doing Fortran work on the Amiga. Author: Unknown; ported to the Amiga by Glenn Everhart

•Fred Fish Disk 143•
Released May 28, 1988

.Rim RIM-5 (Relational Information Manager) is a full relational DBMS that is suitable for VERY large databases using B-Tree data storage. It has a crude (by today's standards) user interface, but since full source code is provided, this can be fixed. Versions of RIM run on a wide variety of systems, small and large, and produce compatible databases. Also includes a built in HELP database and a programming language. Full Fortran source code and documentation included. Author: Various, Amiga port by Glenn Everhart

•Fred Fish Disk 144•
Released May 28, 1988

AnalytiCalc (information by the author of Glenn Everhart) AnalytiCalc is a large and powerful spreadsheet program with sufficient extra features to have some pretentions of acting as an "integrated system". It is a virtual memory system supporting up to 18000 columns and 18000 rows, multiple equations per cell, an outlining system, built-in cell annotation, and datafile access from any cell(s) of the sheet, plus an array of functions not present in most commercial spreadsheets. This disk represents the third version (version V22-3D an update to the version released on Fred Fish Disk 104) of an initial Amigaport of AnalytiCalc. As such the console interface is somewhat crude and uses a set of command files in an externally assigned area (assigned to DK:) to handle the function keys. A custom keymap can also be used, which was supplied in the initial version. The program comes with complete sources, documents, and executables and in addition with the source code for the "auxiliary utilities" which handle DIF format conversion and character graphics. (The executables are not adequately tested on Amiga as yet, though they work on VAX, PDP11, and IBM PC.) AnalytiCalc for the Amiga uses files compatible with those for AnalytiCalc on MS-DOS, VMS, or RSX-11M or IAS. An example project planner spreadsheet is included in the distribution to show off some of the things you can do. More example sheets will be forthcoming. AnalytiCalc also supports matrix math, FFTs, infinite windowing, linear regression, date arithmetic, internal and external macros, LOTS of cell addressing modes, goal seeking in up to 8 dimensions, and more. AnalytiCalc requires perhaps 600K of RAM memory, at least one drive, and AmigaDOS 1.2, plus a larger than default stack. Display sizes supported can be up to 132 characters wide by up to 76 lines long. The manual requires an 80 column printer.

Requirements	
Minimum RAM	600K
Minimum Disk Drives	1
Minimum Disk Storage	880K
Vital Statistics	
Number of Columns	18000
Number of Rows	18000
Max Length of Formulas (characters)	109
Max Number of full cells	18000
Max simultaneous named areas	300
Number of exterior scratch cells	60
Precision of calculations (digits; 8 bytes used)	16
Total Max storage (bytes)	2,113,020
Max record size for data files accessed as database	128
Max files namable in one shee	18000
Max cell columns displayable on one screen	20
Max rows displayable in one display	75
Maximum simultaneous different cell display	
User-Supported Software Shareware	$10.00

•Fred Fish Disk 145•
Released May 28, 1988

Csh This is a version of Matt's csh like shell which has been modified to provide file name completion and argument execution (via the grave accents mechanism). Requires ARP 1.1 to run. Binary only, but includes diffs for the reference 2.07 source base Author: Matt Dillon; enhancements by Johan Widen

DMouse Matt's done it again, another very useful program! This is a versatile screen blanker, mouse blanker, auto window activator, mouse accelerator, popcli style programmable command key, pop window to front, push window to back, etc, widget. Version 1.06, includes source. Author: Matt Dillon

DNet A link protocol that provides essentially an unlimited number of reliable connections between processes on two machines where each end of the link can be either an Amiga or a UNIX (BSD4.3) machine. Works on the Amiga with any EXEC device that looks like the serial.device. Works on UNIX with tty and socket devices. Achieves better than 95% average throughput on file transfers. Version 1.20, includes sources for both the Amiga and UNIX versions. Author: Matt Dillon

Tab A tablature writing program for the Amiga, with inStruments for a banjo and a string guitar. Binary only. Author: Jeff deRienzo

TinyProlog VT-PROLOG is a simple prolog interpreter provided with full source code to encourage experimentation with the PROLOG language and implementations. Version 1.1, includes source. Author: Bill and Bev Thompson

•Fred Fish Disk 146•
Released May 28, 1988

.Blanker2 A screen blanking program that turns the screen black after 90 seconds of keyboard and mouse inactivity. Implemented as a very tiny event handler to the input handler event stream. Version 1.27.88, includes source. Author: Joe Hitchens

C-Light A demonstration copy of a commercial ray tracing program, which is identical to the commercial version except that it has been limited to ten objects per scene. Binary only. Author: Ronald Peterson

CrcLists Complete CRC check files for disks 129-141 and disks 143-145 of the library, using the crc program from FF 133. These were made directly from my master disks. Disk 142 is omitted because of a problem with the crc program. Author: Fred Fish

DmeMacros A set of DME macros which utilize templates to turn DME into a language-sensitive editor for C, Pascal, Modula-2, and Fortran. Author: Jerry Mack

MemoPad A shareware intuition-based memo reminder program. Nicely done. Version 1.1, binary only. Author: Michael Griebling

Fred Fish Disks

•Fred Fish Disk 147•
Released August 16, 1988

MicroGNUEmacs MicroGNUEmacs(MG 2b) contains many additions and enhancements since the original works by Dave Conroy (credit belongs to all contributors and Beta testers. Note: Amiga specific source code files and the document files have been archived. An executable copy of the PDS archive program "Zoo" is in the "c" directory

•Fred Fish Disk 148•
Released August 16, 1988

EFJ "Escape from Jovi" A machine-code game featuring hi-res scrolling, large playfield, disk-based Hi-Score list, stereo sound, and multiple levels. Use a joystick in port 2 to control the ship. B, shareware ($8). Author: Oliver Wagner

Fme Nicely done map editor for the Fire-Power (tm) game. Features interlaced hi-res with intuition interface. See the "Readme.fnf" file for information on making a bootable disk. Includes source. Author: Gregory MacKay

HandyIcons Adds a menustrip to the WorkBench window that allows you to run selected Workbench Tools by menu selection. Can be set up to provide custom environments. Current version supports only WorkBench Tools and not Projects. Binary. by: Alan Rubright

Scrambler A simple program that will encode/decode a text file into illegible gibberish, which resembles executable code, to evade prying eyes. Version 0.01, Binary only. Author: Foster Hall

•Fred Fish Disk 149•
Released August 16, 1988

AnimalSounds A sample of digitized animal sounds along with a simple sound player. Authors: The Trumor Company, Inc. Sound Player by Don Pitts

DX-VoiceSorter Written to be used with Jack Deckard's VoiceFiler program. (Disk 82). It allows for the sorting of a number of voicefiles stored using that program into a new voicefile of voices made up from various files. Includes source. Author: David Bouckley

Keep A nice little utility program with an intuition interface for BBS and network junkies who download messages in one large file and then read them off-line. Using only the mouse, you can drive through such files a message at a time, examine each at your leisure and tag those you wish to keep. Version 1.2, binary only, but source available with donation to author. Author: Tim Grantham

Less Like UNIX "more", only better, with forward and backward scrolling, searching and positioning by percent of file and line number, etc. Now lets you also print the current file. Very useful! This is Amiga version 1.3, an update to the version on FF92. Includes source. Author: Mark Nudelman, Amiga port by Bob Leivian

Scheme "Scheme is a statically scoped and properly tail-recursive dialect of the Lisp programming language invented by Guy Lewis Steele Jr. and Gerald Jay Sussman." Binary only. Amiga port by Ed Puckett

•Fred Fish Disk 150•
Released August 16, 1988

AirFoil An update to the Airfoil generator on FF 71. Generates airfoil models as well as their corresponding streamline and pressure distributions. Includes source. Authors: Russell Leighton Addendum by David Foster

DC10 An AmigaBASIC DC-10 instrument flight simulator. Appears to be quite in-depth with flight-planning and take-off options along with an extensive documentation file. Requires rebuilding on a separate disk and was successfully done so by following the author's instructions in the ReadMe_First file. Author: Jan Arkesteijn

ExecLib A working example of how to build and use user-defined disk-resident libraries. Of special interest to developers working with Lattice C. Author: Alex Livshits

Iconizer A utility program that saves your current mouse pointer to a small icon. You can restore the pointer just by double-clicking on its icon. Allows for building a whole library of pointers and to use them whenever you want. Binary only. Author: Alex Livshits

Pilot An implementation of the PILOT language for the Amiga, including a demo done for the National Park Service. PILOT is a limited use language for use in educational and computer based instruction programs. Binary only with Beta test kit available from authors. Author: Terry LaGrone

StealMemBoot A small utility designed to be a direct replacement for NoFastMem kind of programs. It modifies the boot block of a disk, so when you boot with it, all memory allocations will return only CHIP memory. Author: Alex Livshits

•Fred Fish Disk 151•
Released August 16, 1988

GlobeDemo A graphics demo which displays very smooth transitions of the rotating earth. Features a pop-up menu. Includes source. Author: Bob Corwin

Icons Yet another potpourri of interesting icons to choose from if you need one for your own program. Author: Dave Turnock

Pcopy A small intuition-based disk copier similiar to the resident "DiskCopy" except with write-verify and other user-selectable options. Useful for making multiple copies with reliable data. Requires two disk drives. Includes source. Author: Dirk Reisig

SCT A CLI-based utility (SetColorTable) for displaying and/or setting a screen's colors. You can save the colors of a screen to be restored later, or copy one screen's colors to another. Includes source. Author: aklevin

SlideShow Very nicely done slide-show program written in assembly language. Features forward/backward presentation and creative screen wipes. Currently works only with IFF lo-res pictures. Executable only along with some new IFF pictures to have come my way. Shareware ($16). Authors: Mike McKittrick and Sheldon Templeton

Surveyor A little utility that opens a window on the current screen and displays information about the pointer. Allows for absolute or relative measurement between two points on the screen. Very handy for precise positioning of icons and such. Includes source. Author: Dirk Reisig

•Fred Fish Disk 152•
Released August 16, 1988

Blk A requester making tool employing various recursive algorithms including a recursive parser. It takes input text files and converts them to C-source for including as requester declarations. Includes source. Author: Stuart Ferguson

RunBack A variant of Rob Peck's RunBackGround program from FF73. Allows you to start a new CLI program and run it in the background, then closes the new CLI. This version automatically searches the command-search-path to find the program. Includes source. Author: Daniel Barrett

UUCP This is a version of uucp (UNIX to UNIX Copy Program) for the Amiga, along with some miscellaneous support utilities like cron, mail, and compress. Includes source. Author: Various, submitted by William Loftus

•Fred Fish Disk 153•
Released August 16, 1988

Dme Version 1.30 of Matt's text editor. Dme is a simple WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary key mapping, fast scrolling, title-line statistics multiple windows, and ability to iconify windows. Update to version on FF134, includes source. Author: Matt Dillon

HP11 Emulates an HP11C calculator including the program mode. Features an ON/OFF button that turns the calculator into an icon that will sit and wait until you need it again. Documentation on the features is scarce, perhaps some industrious HP owner could write a small tutorial for the benefit of those that don't own an HP calculator. Binary only. Author: David Gay

HPMam A program to manipulate settings and fonts on HP LaserJet+ printers and compatibles. Includes an Intuition interface and some sample picture files. Version 1.0, binary only, shareware. Author: Steve Robb

Synthemania An interesting, very small (and very persistent!) musical piece. If you plan on stopping it without using three fingers, you better read the document file first! Binary only. Author: Holger Lubitz

•Fred Fish Disk 154•
Released August 16, 1988

Ada An Ada Syntax checker for the Amiga. Includes lex and yacc source. Author: Herman Fischer; updates by William Loftus

AssemblyDemos An interesting group of assembly language demos for your visual and aural pleasure. Binary only. Author: Foster Hall

DiskLib Two utilities for those people who like to split up PD disks into disks of different categories. Includes source. Author: Wilson Snyder

Guardian Another virus diagnosing and vaccination program. Recognizes any non-standard bootblock. Includes a small utility program to permanently place the program on a copy of your kickstart disk in place of the seldom (if ever!) used Debug() function. Binary only. Author: Leonardo Fei

PrintSpool A print-spooling program. Very useful for printing files in the background. Many command-line options. Version 1.0.0, Includes source. Author: Frangois Gagnon

Utilities A group of four little utility programs, Cal, Undelete, DClock and WhereIs. Binary only, see the ReadMe file for a description of each. Author: Dan Schein

VirusX An update to the virus-detecting program of the same name on FF137. This version also checks for the Byte-Bandit strain. Version 1.21, Includes source. Author: Steve Tibbett

Virus_Alert! Yet another anti-virus program with a twist. Once installed a message is displayed just after a warm or cold boot notifying the user that the disk and memory are virus-free, and forcing a mouse-button press before continuing. Anything writing to the bootblock thereafter will destroy the message and a normal virus- infected boot (???) will take-place. Versions 1.01 and 2.01, Binary only. Author: Foster Hall

Wicon A "Window Iconifier". Allows you to turn your windows into small icons which can be later recalled. Currently installed with MacWin to give your windows a "rubber-banding" effect. Version 1.14, Includes source. Author: Steven Sweeting Introducing the Amiga

•Fred Fish Disk 155•
Released October 2, 1988

AsmExamples A couple of assembly code examples. Executables are not extremely useful but the code might be of considerable benefit to beginning assembly language programmers. Author: Henrik Clausen

Bison A replacement for UNIX "yacc" command. This is from the GNU (GNU is Not UNIX) effort. Contains updates to the version on FF136, submitted by two separate sources. Includes source. Author: Bob Corbett and Richard Stallman, updates by William Loftus and Scott Henry

NoSmoking Sample program showing the use of a recoverable alert while displaying a personal health message. Includes source. Author: Theo Kermanidis

Scenery A very nice assembly language random scenery generator. Generates very realistic looking landscapes. Includes intuition interface and lots of menu options. Version 1.0, binary only. Author: Brett Casebolt

•Fred Fish Disk 156•
Released October 2, 1988

Blocks2 Amusing and colorful display of a moving trail of "blocks". Update to version on FF71, however this version also includes source. Author: Gary Walker

Flex Flex is a replacement for the UNIX "lex" (lexical analyzer generator) program that is faster than lex, and freely redistributable. Includes source. Authors: Jef Poskanzer, Vern Paxson, et. al. Submissions by William Loftus and Scott Henry

Go64 Another screen hack aimed at an earlier Commodore product (Not to be confused with the commercial product Go-64! from Software Insight Systems). Includes source. Author: Joerg Anslik

Grammars A group of lexical grammar files for Ada, C and Pascal for use in conjunction with the flex program on this disk and the bison program on FF 155 Authors: Various, submitted by William Loftus

OOPS! Tired of the monochrome background color of your Workbench or CLI? Then try this colorful screen hack to brighten things up! Includes source. Author: Joerg Anslik

•Fred Fish Disk 157•
Released October 2, 1988

60or80 A small utility to toggle the 60/80 column text modes without having to go through preferences. Works from either the CLI or the Workbench. Includes source. Author: Mark Schretlen

AmicForm Creates a phonebook containing only those areacodes and exchanges reachable through PC-Pursuit. Input any of Chet Solace's Finalist BBS lists and it creates the phonebook in a form usable by AmicTerm and a number of other popular terminal programs. Version 1.3, Binary only. Author: John Motsinger

AnimBalls A nifty little animation program that allows you to create a collection of balls in three-space and then interactively rotate them in real time using the mouse. Includes source. Author: Jim Guilford

BootBack A handy little utility to copy and save the boot block from a disk, then later restore it should the disk get stomped on by some ugly virus. Includes source. Author: David Joiner

ECPM A CP/M emulator for the Amiga. Emulates an 8080 along with H19 terminal emulation. Update from version on FF109. Includes source. Author: Jim Cathey; Amiga port by Charlie Gibbs; Significant improvements by Willi Kusche

KeyFiler A BBS message file sorter that allows sorting by keyword. Includes a textreader, Soundex matching, and limited wildcard capabilities. Version 1.0, Binary only. Author: John Motsinger

ScreenZap A little utility to clean away screens that are left by ill-behaving programs. It will kill every screen behind the WorkBench, noting how many it gets. The screens in front of WB are not affected. Includes source. Author: Lars Clausen

SetPrefs Allows you to build a whole library of preference settings and instantly switch back and forth between them. Affects all preference settings not just the colors. Very useful for machines with multiple users or multiple external devices. Includes Amiga's default and various sample preference settings. Binary only. Author: Martin Hippele

Xicon Xicon lets you use icons to call up scripts containing CLI commands. This is version 2.01, an update to the version on disk 102. Includes source. Author: Pete Goodeve

•Fred Fish Disk 158•
Released October 2, 1988

DiskX Nicely done Sector-based disk editor. Binary only Author: Steve Tibbett

MemBoardTest Originally designed for production testing of A1000 memory boards. Very nice intuition interface. Version 2.4, Includes source in Modula. Author: George Vokalek

MSDOS A program to list files written in standard MS-DOS or Atari ST format. The files can then be copied to RAM and rewritten to disk in Amiga-DOS format. Binary only, Shareware, Version 0.1. Author: Frank W|bbeling

PCBTool An early version of a shareware PC Board layout program Lots of options including variable size pads and traces, grids, grid snap, layers, zoom, selectable centering, text and more. This version does not support printer/ plotter dumps or libraries. Version 2.6, binary only. Author: George Vokalek

ScreenX A handy little background utility that provides a small clock/memory counter in its inactive mode and a versatile screen manipulator when called upon. Binary only with source available from author, Version 2.1. Author: Steve Tibbett

TaskX A "real-time" task editor. Lets you list and set the priorities of all the currently running tasks. Binary only, Version 2.0. Author: Steve Tibbett

VirusX Update to the version on FF154, checks for a couple of additional new strains. Includes source, Version 1.6. Author: Steve Tibbett

Fred Fish Disks

YachtC3 Update to the Yachtc program on disk #10, contains some fixes and incorporates a simple sound process. Version 3, includes source. Author: Sheldon Leemon, with enhancements by Mark Schretlen

•Fred Fish Disk 159•
Released October 2, 1988

Free A little command to put in your c directory that returns memory status and number of tasks currently served by EXEC. Includes source. Author: Joerg Anslik

MIDITools A group of several different utility programs for those who run a MIDI system. Binary only. Author: Jack Deckard

StarChart Nicely done intuition based program to display and identify about 600 stars, galaxies and nebulae visible in the Northern hemisphere. Version 1.2, includes source. Author: Ray R. Larson

TaskControl Nicely done task-handling program allowing you to put to sleep, kill or change priorities of all the currently loaded tasks. Also potentially GURU-producing, so be careful what tasks you kill, change priorities of, etc. Handy window sizer will reduce it almost to an icon to hang around until you want to use it. Binary only. Author: J. Martin Hippele

TUC "The Ultimate Clock". Another window title clock/memory minder. This one is in 132 columns! Also gives the free memory on drives DF0, DF1 & DF2. Includes source. Author: Joerg Anslik

•Fred Fish Disk 160•
Released October 2, 1988

Calls A little utility to help analyze the flow of a C-program by laying out the functions called in a hierarchical manner. Author: Originally from Usenet with major revisions by Kevin Braunsdorf, Amiga port by George MacDonald

Check A useful little utility for finding structural errors in C-source code. Many command-line options. Version 1.03, binary only. Author: Keith Elbertson

Dis A 68000 disassembler, written in assembly, this is an update to the version on disk #128. Includes source. Author: Greg Lee with enhancements by Willi Kusche

DMouse A versatile screen & mouse blanker, auto window activator, mouse accelerator, popcli, pop window to front, push window to back, etc, widget. Version 1.09, includes source. Update to version on FF145. Author: Matt Dillon

DWIP "Daisy Wheel IFF Printer". A graphics printing utility that allows the printing of IFF pictures on a daisy wheel printer. Includes source. Author: Ken Van Camp

M4 A UNIX M4 look-alike macro processor intended as a front end for Ratfor, Pascal, and other languages that do not have a built-in macro processing capability. Pd M4 reads standard input, the processed text is written on the standard output. Author: Ozan S. Yigit

MemoPad A shareware intuition-based memo reminder program. Nicely done. Update to version on FF 146, version 1.2, binary only. Author: Michael Griebling

NeuralNets A neural network example using the generalized back-propagation delta rule for learning, specifically applied to the tabula rasa Little Red Riding Hood instance. Author: Josiah C. Hoskins

•Fred Fish Disk 161•
Released October 2, 1988

Friends Cute little screen hack with command-line options to keep your mouse pointer company when you step away. Includes source. Author: Michael Warner

Getsprite A simple little program to convert Dpaint brushes into C-source. Binary only. Author: Michael Warner

IncRev A handy little program that will automatically increment the revision number of a program every time it is recompiled. Binary only. Author: Bryan Ford

LGZ A Map generator/editor for the LGZ game. Not extremely useful if you don't happen to play that game, but good source example of intuition interfacing. Vesion 0.1. Authors: Lars and Henrik Clausen

Mackie A versatile cli/macro-key initiator based on POPCLI with a unique method of "screen-blanking". I won't say more, just try it! Version 1.1, includes source. Author: Thomas Rokicki

Nag A shareware appointment calendar with it's own editor and a unique 'nagging' feature utilizing the Amiga's voice and audio devices. Version 1.6, binary only. Author: Richard Lee Stockton

Perl Practical Extraction and Report Language, an interpreted language optimized for scanning arbitrary text files, extracting information from those text files, and printing reports based on that information. Author: Larry Wall

VRTest Another anti-virus utility that allows visual inspection of RAM starting a $7E7FE, RAM cleaning, bootblock inspection and vector monitoring/reseting. Written entirely in assembly language. Version 3.2, binary only. Author: Babar Khan

XBoot A very simple utility to convert a boot block into an executable file so you can use your favorite debugger (Wack, Dis, etc.) to study it. Includes source. Author: Francois Rouaix

•Fred Fish Disk 162•
Released October 2, 1988

Avi A work-alike version of the UNIX vi editor for the Amiga. Though not especially recommended for beginners, designed for those of you who may have the vi commands permanently hard-coded into your fingertips! Version 1.0, binary only. Author: Peter Nestor

CLI_Utilities This directory contains several subdirectories with small utilities, collected from various sources, that are only usable from the CLI. See the Readme file for further information. Some include source. Author: Various

Dark A small graphics and animation demo. Includes source. Author: Phil Robertson

Flow2Troff A little utility to convert from New Horizons Software "FLOW" files to UNIX "troff" files, suitable for printing on any troff-compatible laser printer. Version 1.0, includes source and a sample "FLOW" file. Author: Daniel Barrett

LabyrinthII A shareware role-playing text adventure game similar in operation to the Infocom text adventures. Includes source. Author: Russell Wallace

Iffar Maintains archives of Interchange File Format (IFF) FORM, AT and LIST files in a manner that complies with the IFF CAT specification. Version 1.2, includes source. Author: Karl Lehenbauer

SetPALorNTSC A couple of utility programs for testing the suitability of a developed program in either the PAL or NTSC environments. Includes source and a sample program. Author: Peter Kittel

TES "The Electronic Slave" adds a gadget strip to the top of the cli window to perform such functions as device directories, info, run ED, and time. Currently, assignments are hardcoded but not difficult to change if you own a compiler. Version 1.1, includes source. Author: Joerg Anslik

UnknownGirl Another small musical piece similar in execution to "Synthemania" on FF153. Binary only. Author: Holger Lubitz

•Fred Fish Disk 163•
Released November 23, 1988

Bankn A complete checkbook system offered by the author as shareware. Update to version on FF120. Version 1.5, binary only. Author: Hal Carter

FiveInLine A board-playing game similiar to Go-Moku, Ristinolla, etc. Fast-paced and quickly addictive! Includes source. Author: Njel Fisketjxn

MachII A "mouse accelerator" program that also includes hotkeys, the features of sun mouse, clicktofront, popcli, title bar clock with a bbs online charge accumulator, and more. Update to version on FF130. Version 2.4c, binary only. Author: Brian Moats

MemTrace Routines to help debug memory allocation and freeing during program development. Will complain if you try to free memory you didn't allocate and will report on memory not freed when your program finishes. Author: Jojo Wesener

PcPatch Patches for PCCopy and PCFormat from the 'EXTRAS 1.2' disk, to allow reading/writing/formatting 3.5 inch 360k (2 sides/ 40 Tracks/9 sectors) MS-DOS disks. Author: Werner Guenther

ReadmeMaster A nifty little database for finding those programs that you know exist somewhere (???) in the AmigaLibDisk library. Maintains a key-word dictionary of the Contents descriptions that allows searching by disk number, program title, author's name, or some other descriptive word. Currently supports disks 1-154 with planned updates from the author. Binary only. Author: Harold Morash

View A mouse-oriented text file reader. Sample operation is demonstrated in reading the View.doc file, instead of using the usual "Less" text file reader. Author: Bryan Ford

•Fred Fish Disk 164•

Released November 23, 1988

C-Functions A group of four little C-functions to add to your library to make your programming life a little easier. Includes source and a small demo program showing some of the results. Author: Lars Thuring
DiskSalv Very useful program to recover files from a trashed AmigaDOS disk. Can also "undelete" files deleted by mistake, so long as they have not overwritten by further disk activity. Requires two disk drives. Many enhancements since the original version on FF 20. Version 1.3, Binary only Author: Dave Haynie

Hed A handy little editor that is more user-friendly than "Ed", yet doesn't require the memorization of complicated keystrokes of some of the larger, more powerful, editors. Binary only. Author: Hal Carter

Newton Uses the "Newtons Method" algorithm to estimate both real and imaginary roots of a polynomial of degree 20 or less. Version 1.0, includes source. Author: Daniel Barrett

NewZAP A third-generation multi-purpose file sector editing utility, from the author of FileZAP. Displays and edits full 512-byte sectors via a 106 character wide internal font. Includes a search feature to find specific strings or hex digits, forwards or backwards. Update to version on FF 58. Version 3.18, Binary only. Author: John Hodgson

PcView Provides the PC community with the opportunity to display IFF pictures to the best of EGA's ability. Displays Amiga pics, IBM-PC Deluxe Paint Pics, Apple II-GS Deluxe Paint Pics, and others in the IFF standard format. Includes source. Author: John Hodgson

PolyRoot Another Polynomial root-finder using the Newtonian algorithm. Nicely done in AmigaBASIC with good documentation file. Version 2.00. Author: Jon Giorgini

PrtDrivers A couple of new Printer Drivers. One for Digital Equipment's LN03+ laser printer, and one for Mannesmann Tally's MT420d dot matrix. Authors: DEC LN03 — Bernie Mentink MT420d — Sascha Wildner

Zoo A file archiver, much like "arc" in concept, but different in implementation and user interface details. Includes some nice features that "arc" lacks (such as file/path names up to 255 characters in length). This is version 2.00, an update to the version released on FF 136. Binary only. Author: Rahul Dhesi, Amiga port by Brian Waters

•Fred Fish Disk 165•

Released November 23, 1988

Conman Extremely useful replacement for the standard console handler, provides line editing and command line histories. Completely transparent to any application program that uses CON: windows. This program is shareware, and well worth a donation to the author. Version 1.3, binary only, update to version on FF 133. Author: William Hawes

CPM Another CP/M emulator independently authored from the version that appeared on FF 157. Emulates a CPM computer with a Z80 processor connected to an ADM3A terminal. Assembly source included. Author: Ulf Nordquist

Parsnag A program to aid in performing color separations on Epson JX-80 printers. Includes source. Author: John Hodgson

PlotView A couple of programs, Plotview and Plot2Am, for viewing UNIX plot files. Also included are two sub-directories: Plot — a device independent plotting package for the Amiga, compatible with the UNIX plot subroutine package and Plot2Tek — converts UNIX plot format files to Tektronix 410x terminal graphic commands. Source included. Author: Joel Swank

RAMCopy A copy program designed for machines with 1 meg or more of RAM and only one disk drive. Allows you to copy a complete disk in only one pass. Author: Stephen Gunn

SPUDclock A simple program that uses the narrator device to speak the time at certain user specified intervals. Lots of command line options. Version 1.2, includes source. Authors: Robert E. Beaty and H. Bret Young

•Fred Fish Disk 166•

Released November 23, 1988

AutoGraf Collects and graphically displays information on auto mileage. Features such as miles per gallon, cost per mile, miles driven, highs, lows, averages, etc. Includes sample data file, a couple utility programs and source. Version 1.0 Author: Joel Swank

Cref A C cross referencer program. Prints out your code with line-numbers and complete key-word cross-referencing. Update from version on FF 103 which had a serious bug. Includes source. Author: Mike Edmonds; Amiga port by Joel Swank

MultiCalc Yet another RPN type graphic calculator. This one generates answers with extreme precision (if 3000 digits is enough!) Features a 48-digit scrollable display, mouse driven with lots of keyboard shortcuts, and iconification during non-use. Binary only. Author: Kenneth Johnson

Stevie A public domain clone of the UNIX 'vi' editor. Supports window-sizing, arrow keys, and the help key. Version 3.10a, includes source. Author: Various, Amiga port by Tony Andrews

•Fred Fish Disk 167•

Released November 23, 1988

CDecl English to C (and vice versa) translator for C declarations. This little gem will translate english such as "declare foo as pointer to function returning pointer to array 10 of pointer to long" into "long *(*(*foo)())[10]", and vice versa. Update from version on FF114. Includes source. Author: Graham Ross with enhancements by David Wolverton, Tony Hansen, Merlyn LeRoy, Udi Finkelstein and probably others!

CLIcon Allows you to run cli programs from the workbench, similar in operation to IconExec, but more versatile. Author: Bryan Ford

CloseMe Another ingenious perversion in the screen hack category. Don't miss this one...surely destined to become a classic! Includes source. Author: Charlie Gibbs

DSM Dynamic Sound Machine) Demo version with "Save" disabled of a program that will take any IFF sound or raw data and save it as a totally self-contained, runable program. Author: Foster Hall

MRPrint A cli-based text file printing utility with lots of nice features, including tab-to-space expansion, page headers, line numbers, margin control with line-splitting and pagination correction, ARP wildcard support, and auto- rejection of files containing binary characters. Version 3.1, Includes source. Author: Mark Rinfret

Smus3.6a An enhanced version of the smus player that last appeared on FF58 Author: John Hodgson

Sounddemos Some very nice demos for showing off the incredible audio power of the Amiga! 100% assembly language, make sure you have the stereo connected for these! Author: Foster Hall

•Fred Fish Disk 168•

Released November 23, 1988

Fred Fish Disk 168 is the first disk of a two disk "Matt Dillion special" containing binaries and sources to the latest versions of a great deal of Matt's many programs. For a complete listing of the programs on these two disks, see the explanation in Fred Fish Disk 169. Because of the nature of Matt's programs and the need for his support libraries to recreate many of his programs, Fred Fish opted to keep these disks as Matt submitted them, rather than follow the usual AmigaLibDisk format of binaries and sources in one directory. This change would have increased this to a three disk set. Please note that if you plan on recreating any of these programs, then it is quite possible you will

Fred Fish Disks

•Fred Fish Disk 169•

Fred Fish Disk 169 is the second disk of a two disk "Matt Dillion special" containing binaries and sources to the latest versions of a great deal of Matt's many programs. Because of the nature of Matt's programs and the need for his support libraries to recreate many of his programs, Fred Fish opted to keep these disks as Matt submitted them, rather than follow the usual AmigaLibDisk format of binaries and sources in one directory. This would have increased this to a three disk set. Please note, if you plan on recreating any of these programs, it is quite possible you will need information from both disks. Released November 23, 1987

CONFIG V1.00 Used to configure friendly programs like DME for the initial window placement (configures the executable)

Clock V1.00 Simple clock, configurable with config.

DME V1.31 Matt Dillion's programming oriented editor

DMouse V1.10 mouse enhancer .. acceleration, blanking, etc...(now handles requesters better w/ auto-activate)

Backup V2.01 HD backup/restore (same program just renamed)

SUPLIB Support (link time) library required to compile my programs.

LIBREF Utility for generating run-time library link library assembly files, lvo.asm, and the run-time library's vector list. Currently very Aztec in terms of what it generates.

DRES V1 Support (run time) library w/ lots of functions including a generic parser & IPC.

DASM V2.11 Small-systems assembler. Handles 6502 and some of the Motorola single chip microcomputers. Generates code (not object module oriented).

FTOHEX Part of DASM used to convert a DASM executable into an intel-hex formatted ascii file.

FILES V1.2 Matt Dillion's disk catalog program.

SHELL V2.10 Added enviroment variable support and more. Use ConMan if you want command line editing, I do (it should not be a function of the shell and it isn't in mine).

FINDIT V1.00 Search for a filename (wildcard)

LIBS V1.00 list libraries/devices in ram or attempt to remove libraries.

SCAT V1.00 Utility to 'cat' binaries without blowing up the display

ADDCR V1.00 Utility to add CR's before LF's in files

REMCR V1.00 Utility to remove CR's in files

CMP V1.00 Utility to compare two files

•Fred Fish Disk 170•

Released November 23, 1987

Aftterm Commmunications program utilizing IBM 3278 terminal emulation. Binary only. Author: Don Brereton

Dis6502 A ported 6502 disassembler with support added for C64 binary files. Includes source. Author: Robert Bond, Amiga port by Udi Finkelstein

FastText Blitter based fast text rendering routines written in assembly. Unique in the fact that they speed up rendering of non-proportional fonts of any height, and from 4-16 pixels in width. Source and test program included. Author: Darren M. Greenwald

MRBackUp A hard disk backup utility that does a file by file copy to standard AmigaDOS floppy disks. Includes an intuition interface and file compression. Version 2.4, Update to version on disk 129. Binary only Author: Mark Rinfret

PtrAnim
Program, includes lots of samples, a utility program and instructions on creating your own animations. Be sure to also read the "Disclaimer" in the author's ReadMeFirst file. Binary only, shareware Author: Tim Kemp

Surf Generates bezier surfaces of revolution. Will produce some amazing pictures of wineglasses, doorknobs, or other objects one could turn on a lathe. Includes the capacity to map IFF image files onto any surface that it can draw. Source included Author: Eric Davies

Turbo Opens a small window with a gadget that when selected, turns off bitplane, sprite, copper and audio DMA, presumably to increase system speed. Includes source. Author: Oliver Wagner

•Fred Fish Disk 171•

Released November 23, 1988

AZComm Modified version of Comm 1.34 that contains Zmodem send, receive, and resume receive. Version 1.00, Binary only. Author: SS. Patel, based on Comm 1.34 by DJ James

Maze A couple of very nice demos for the creation and use of single-solution mazes, one of which is practically a stand-alone game. Includes source. Author: Werner Gunther

Sozobon-C Atari ST version of what appears to be a full K&R freeware C-compiler, assembler and linker. The compiler main pass and the assembler were compiled and tested on an Amiga A2000 with only minimal changes, and they appear to work (to the extent that they believe they are running on an Atari-ST), so an Amiga port should be relatively easy. Author: Sozobon, Limited.

Xoper Very comprehensive program to monitor and control system activity. Monitor cpu, memory usage, ports, interrupts, devices. Close windows, screens, show loaded fonts or last Guru code number. Clean up memory, flush unused libraries, devices, fonts. etc. and a whole bunch more! Spawns its own process. A very handy background task to have loaded. Assembly source included. Author: Werner Gunther

•Fred Fish Disk 172•

Released November 23, 1988

DataToObj A utility to convert raw data files (sprites, image data, text, etc.) directly into object code which can then be linked to the main program without the need to go through the compiling process. Includes source. Author: Werner Gunther

Handshake A full featured VT52/VT100/VT102/VT220 terminal emulator. The author has taken great pains to support the full VT102 spec. Now supports ANSI colors, screen capture and more. Update to version on FF60. Version 2.12a, binary only, shareware. Author: Eric Haberfellner

MFix A small program to insert in the startup-sequence of the commercial program, Marauder II, from Discovery Software, International. Whenever the copy process is started, the rainbow screen is covered by a bare screen until the copy is finished. The author claims a 25% decrease in copy time is achieved. Version 1.0, binary only. Author: Stephen Gunn

PopInfo A "shrinkable" workbench utility to show you some info that Workbench doesn't, such as free memory on external devices, chip, fast, and total RAM usage and more. Version 2.0, Includes source. Author: Jonathan Potter

ProCalc A program that simulates an HP-11C programmable calculator. Lots of enhancements and bug fixes since the original version on FF139. Version 1.2, binary only, shareware. Author: Gotz Muller

Spiff Make controlled approximations between two files. Similar to "diff" but more versatile. Allows for the handling of numerals as string literals or numeric values with adjustable tolerances. Provides for embedded commands, scriptfiles, and many other command-line parameters. Potentially very useful, but needs some Amiga-specific work. Source and some example files included. Author: Dan Nachbar, Bell Communications Research (BELLCORE)

•Fred Fish Disk 173•

Released February 4, 1989

CrcLists Complete CRC check files for disks 146-172 using the crc program from disk 133. These were made directly from my master disks Author: Fred Fish

FileSelect A FileIO selector, written 100% in assembly. Version 1.0, includes source Author: Fabrice Lienhardt

IffLib A ready-to-use library to perform various manipulations on IFF files. Includes a sample IFF viewer and a utility to save the front screen as an IFF file.Author: Christian A. Weber

ILBM2C Very useful utility for C-programmers. Reads in a standard IFF ILBM file and outputs a file that can then be included in your program. Includes source and a sample program. Author: Tim Kemp

Tetrix A addictive game of speed, skill and luck. Based on a game originally called Tetris.

The object is to fit together oddly grouped falling blocks to create a solid wall, which is then cleared from the bottom up. Sounds simple enough right? Sure...! Shareware, Version 1.1, Binary only. Author: David Corbin

Uedit Version 2.4g of this nice shareware editor. Has learn mode, a command language, menu customization, and other user configurability and customizability features. Binary only, shareware, update to version on disk 121. Author: Rick Stiles

•Fred Fish Disk 174•
Released February 4, 1989

Castle A simple graphics adventure game suitable for beginners. Binary only, but source available with a small donation to the author. Author: H. James Fox

Iff2Sun A small utility for those of you who may have access to a Sun workstation. Takes an Amiga IFF file and converts it to a Sun rasterfile format. Source only, as the program needs to be re-compiled and run from a Sun. Authors: Steve Berry, Mark Thompson

Print1.2 Another CLI-based printing utility with several nice features including the ability to print in ASCII or HEX, with or without line numbers and a CTRL-C Trap. Includes source. Author: John F. Zacharias

Sh Another version of the 'Sh' utility to unshar shell archives. Apparently corrects some problems encountered by similar programs. Until we can get everybody using some sort of "standard", perhaps if we collect enough of these utilities, we will eventually find one that works with the particular archive we're trying to unshar! Includes source. Author: Jim Guilford

Strings A simple utility with command-line options for locating strings in a binary file. Version 1.0, includes source. Author: Joel Swank

TitlePage Prints banner-type title pages for identifying listings. Lots of command-line options for specifying various fonts, pitches, typestyles, selectable centering, etc. Includes source. Author: Joel Swank

Tunnel An interesting graphics demo written in TDI-Modula 2. I suggest you don't stare at this too long! Includes source. Author: Garth Thornton

•Fred Fish Disk 175•
Released February 4, 1989

Elements Very nice interactive display of the the Periodic Table of Elements. Can display a large amount of pertinent data about a selected element along with a good deal of general and miscellaneous info. Author: Paul Thomas Miller

Furnish For those of you who may have ever used the "scale size cut and place" method of determining your next living-room arrangement, this Amiga-ized version may be just what you need. Binary only, shareware. Author: Terry Gintz

Plot Program to compute and plot 3 dimensional functions. Major revision to PD version on disk number 49 by the same author. Version 4.1, binary only, shareware. Author: Terry Gintz

SafeBoot Very handy intuition-based program to read and save custom bootblocks. The bootblock can then be later restored should the disk become virus-infected. Version 2.2, binary only. Author: Mark Lanoux

SendMorse Brush up on your morse code with this simple program that will read an input textfile and output the characters at an adjustable rate. Author: Joe Larson

VirusX Version 3.10 of the popular virus detection/vaccination program. Features a test for the new IRQ virus, among others, and a new "Kill Virus" utility. Includes source. Author: Steve Tibbett

WBDepth CLI program that allows you to change the number of bitplanes for the WB screen on the fly. Very useful for A500 and A2000 users with kickstart in ROM. Binary only. Author: Andry Rachmat

Zippy A "Graphical Shell". Opens a medium-size window and attaches a menu-strip for performing all sort of disk/data manipulations. Features script files allowing you to attach custom menu selections as you move between directories. Also included is an intuition based utility for altering FileInfo data. (filename, filenote, RWED attributes, etc.) Version 2.5, binary only. Author: Michael Weiblen

•Fred Fish Disk 176•
Released February 4, 1989

AnalytiCalc This disk contains version V23-2A of Glenn Everhart's large and powerful spreadsheet program called AnalytiCalc, submitted to me directly by Glenn for inclusion in the library as an update to the version released on disk 144. AnalytiCalc is presented in entirely ZOOed form because it could not otherwise fit on a single disk. Because the auxiliary utilities were presented on disk 144, they are not repeated here. The ZOO utility is used due to the lack of controversy over the format. The public domain BOOZ program is provided to extract the contents of the ZOO archives provided. With this release, AnalytiCalc has become "Freeware" rather than "Shareware". Thus the only restrictions on AnalytiCalc code are that derivative programs remain freely distributable.

HyperNet HyperNet is a small hypertext shell program for Amiga, presented with sources and brief documents. It was also submitted by Glenn Everhart, the author. HyperNet allows a "master" AmigaDos process to control a series of connected processes, where the connections are randomly ordered directed graphs. Permissible "child" processes available at any stage are governed by the links of the graph. The implementation is mainly instructive, but can be used for tutorials or demonstrations and illustrates the simplicity of hypertext concepts on a multi-tasking system.

•Fred Fish Disk 177•
Released February 4, 1989

ASpice A version of the SPICE 2G.6 circuit analysis program which has been modified to run in the Amiga environment. The program arrays are adjusted to require one forth the memory of the DEC VAX version. Although this does not usually put much of a constraint on circuit analysis, some users who are used to the full mainframe environment may have to be more aware of the memory demands of their analysis. Requires a minimum of 1.5 MB memory. This version neither supports nor requires the 68020 processor or 68881 coprocessor. Binary only. Authors: Many, see Documentation

DiskSalv Version 1.32 of the popular "undelete" and file recovery program. Fixes a few bugs apparently found on the version 1.3 release on disk number 164. Author: Dave Haynie

Jask An intuition-based replacement for the ASK command. Will bring up a requester with a message and boolean yes/no type gadgets. Version 1.0, includes source. Author: John Barshinger

Marge A simple CLI utility to add a specified number of spaces or tabs to the left side of every line in a file. Includes source. Author: Joel Swank

Path An interesting concept in path-searching. This program contains a path-handler that allows you to selectively control or assign your system's search path using script files. Includes source. Author: Rico Mariani

•Fred Fish Disk 178•
Released February 4, 1989

AmicForm Creates a phonebook containing only those areacodes and exchanges reachable through PC-Pursuit. Update to the version on disk number 157. Works with the new Finalist BBS format. Version 1.4, Binary only. Author: John Motsinger

BlackBox The black box is an 8x8 grid in which several "atoms" are hidden. Your job is to find the atoms. You have at your disposal a ray projector which you can use to send rays into the box from any of the 32 spots around the box. Binary only. Author: Tim Kemp

CIATimer Two versions of ciatimer routines to provide precise timing for applications requiring a high-accuracy real-time clock. Includes source and a sample executable. Author: Karl Lehenbauer, based on the original version by Paul Higginbottom

Cosmic An interstellar multiplayer game of War and Peace. From the looks of the documentation file, it appears fairly extensive! Version 1.01, includes source. Author: Carl Edman

Ls Version 2.0 of the popular UNIX style directory lister. Revised for Lattice 5.0 and made 1.3 compatible. Includes source. Author: Justin V. McCormick.

RemLib Removes a specified library (if currently unused) or displays some information about all available libraries. Update to version on disk number 139. Version 1.11, includes source in assembler. Author: Heiko Rath

RexxArpLib Version 2.0 of the rexxarplib.library, which has grown considerably, with substantial intuition interface support. Also included is a large number of ARexx macros. Author: W.G.J. Langeveld

•AC•

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(Order Form on page 192)

AMICUS

John Foust & AMICUS

Originally, John Foust created AMICUS as a way for developers to communicate with each other. The disks in the Amicus collection were available to members of AMICUS as a means of improving the developer community's access to routines and programs. It was John's hope that the Amiga would expand faster if the developers could share information and materials through a user group such as AMICUS.

Late in 1985, AC contacted John and persuaded him to write a column for Amazing Computing. The initial concept of the column fulfilled his desire to offer a technical newsletter for programmers and developers. And Amazing Computing hoped to offer beginner and general user Amiga information in the front of the magazine, and a more technical complement in the back.

John used his his columns and articles to add to the knowledge of all Amiga users. Working diligently, John slowly expanded his AMICUS disk collection to 26 disks. Programs from Amazing Computing were integrated into the collection, beginning AC's unique approach of offering electronic versions of programs printed in the magazine,then making those programs freely distributable.

Through his service, John reported on the growing excitement and growth of the Amiga. John's fascination with the Amiga was (and still is) legendary. His constant presence on Amiga Bulletin Board Systems has provided insights for both beginner and advanced Amiga users.

John became a consultant for software developers , both in documentation and in the actual developement. John's love of the Amiga and his unique perspective of the Amiga's needs eventually led him to create his own company and line of products. Due to his new "player" status, John felt it was inappropriate for him to continue writing articles for AC as an impartial observer. John ceased writing and began developing.

Syndesis, a joint venture by John Foust and Harriet Tolly of TollySoft, has secured a unique spot in the Amiga marketplace. Using Syndesis, you can create art and figures with one piece of software and manipulate it with another. Syndesis has created a means by which we can fully realize the Amiga's initial dream of completely compatible software. John Foust and Syndesis have continued to create packages which utilize the Amiga's unique capabilities and extend the Amiga's reach into the professional graphics and video markets.

•AMICUS Disk 1•

3DSolids 3D solids modeling prog. w/ sample data files. ABasiC program

Blocks Draws blocks. ABasiC program

Cubes Draws cubes. ABasiC program.

Durer Draws pictures in the style of Durer. ABasiC program.

FScape Draws fractal landscapes. ABasiC program.

Hidden 3D drawing program, with hidden line removal. ABasiC program.

JPad Simple paint program. ABasiC program.

Optical Draw several optical illusions. ABasiC program.

PaintBox Simple paint program. ABasiC program.

Shuttle Draws the Shuttle in 3D wireframe. ABasiC program.

SpaceArt Graphics demo. ABasiC program.

Speaker Speech utility. ABasiC program.

Sphere Draws spheres. ABasiC program.

Spiral Draws color spirals. ABasiC program.

ThreeDee 3D function plots. ABasiC program.

Topography Artificial topography. ABasiC program.

Wheels Draws circle graphics. ABasiC program.

Xenos Draws fractal planet landscapes. ABasiC program.

Tools

AddressBook Simple database program for addresses. ABasiC program.

CardFile Simple card file database program. ABasiC program.

Demo Multiwindow demo. ABasiC program.

KeyCodes Shows keycodes for a key you press. ABasiC program.

Menu Run many ABasiC programs from a menu. ABasiC program.

MoreColors A way to get more colors on the screen at once using aliasing. ABasiC program

Shapes Simple color shape designer. ABasiC program.

SpeakIt Speech and narrator demo. ABasiC program.

Games

BrickOut Classic computer brick wall game, ABasiC program.

Othello Also known as 'go', ABasiC program.

Saucer Simple shoot-em-up game. ABasiC program.

Spelling Simple talking spelling game. ABasiC program.

ToyBox Selectable graphics demo. ABasiC program.

Sound & Music

Entertainer Plays "The Entertainer", a Scott Japlan song made famous by "The Sting". ABasiC program.

HAL9000 Pretends it's a computer from the HAL series (2001). ABasiC program.

Police Simple police siren sound. ABasiC program.

SugarPlum Plays "The Dance of the Sugarplum Fairies". ABasiC program.

C programs

ATerm Simple terminal. C program, source code and executable program.

cc Aid to compiling with Lattice C.

decvnt Opposite of CONVERT for cross developers. C program.

Dotty Source code to the 'dotty' window demo. C program.

echox UNIX-style filename expansion, partial S, C program in C source code and executable. Documentation included.

fasterfp Explains use of fast-floating point math C program.

FixDate Fixes future dates on all files on a disk, C program in C source code and executable.

freedraw Simple four-color Workbench drawing program.,C program. In C source code and executable.

GfxMem Graphic memory usage indicator, C program. Source code and executable program.

Grep Searches for a given string in a file with docs. HAM shows off the hold-and-modify method of color generation. C program.

IBM2Amiga Fast parallel cable transfers between an IBM and an Amiga C program.

Mandel Mandelbrot set program, C program in C source code and executable.

moire Patterned graphic demo, C program in C source code and executable.

objfix Makes Lattice C object file symbols visible to Wack, C program. In C source code and executable.

quick Quick sort strings routine. C program.

raw Example sample window I/O. C program.

setlace Turns on interlace mode, C program in C source code and executable.

sparks Qix-type graphic demo, C program in C source code and executable.

SpeechToy Speech demonstration. Executable program.

WhichFont Displays all available fonts. Executable program.

Texts
68020 Text describes 68020 speedup board from CSA.

Aliases Text explains uses of the ASSIGN command.

Bugs Text of known bug list in Lattice C 3.02.

CLICard Text file of a reference card for AmigaDOS CLI.

CLICommands Text guide to using the CLI.

Commands Shorter guide, in text, to AmigaDOS CLI commands.

EdCommands Text guide to the ED editor.

Filenames AmigaDOS filename wildcard conventions in a text file.

HalfBright Text explains rare graphics chips that can do more colors.

ModemPins Text description of the serial port pinout.

RAMdisks Text file with tips on setting up your RAM disk.

ROMWack Text files with tips on using ROMWack.

Sounds Text explanation of Instrument demo sound file format.

Speed Text file, refutation of Amiga's CPU and custom chip speed.

WackCmds Text tips on using Wack.

•AMICUS Disk 2•

C programs
alib AmigaDOS object library manager, C programs in C source code and executable.

ar Text file archive program, C program in C source code and executable.

fixobj Auto-chops executable files. C program in C source code and executable.

shell Simple CLI shell, S-E. C program in C source code and executable.

sq, usq File compression programs, C program in C source code and executable.

YachtC A familiar game, C program in C source code and executable.

Make A simple 'make' programming utility, C program in C source code and executable.

Emacs An early version of the Amiga text editor, C program in C source code and executable. Documentation provided.

Assembler programs
bsearch.asm Binary search code. Assembler program.

qsort.asm UNIX compatible qsort() function, source and C test program. Assembler program.

setjmp.asm setjmp() code for Lattice 3.02. Assembler program.

SVprintf UNIX system V compatible printf(). Assembler program.

trees.o UNIX compatible tree() function, Assembler program. Object file and documentation provided.

Tutorials
Animate Tutorial describes animation algorithms, by John Draper.

Gadgets Tutorial on gadgets from J. Draper.

Menus Learn about Intuition menus, a John Draper Amiga Tutorial.

•AMICUS Disk 3•

C programs
Xref A C cross-reference gen., C program in C source code and executable.

6bitcolor Extra-half-bright chip gfx demo, C program in C source code and executable.

Chop Truncate (chop) files down to size, C program in C source code and executable.

Cleanup Removes strange characters from text files. C program.

CR2LF Converts carriage returns to line feeds in Amiga files, C program.

Error Adds compile errors to a C file, C program in C source code.

Hello Window ex. from the RKM, C program in C source code.

Kermit Generic Kermit implementation, flakey, no terminal mode, C program. source code and executable.

Scales Sound demo plays scales, C program in C source code and executable program.

SkewB Rubik cube demo in hi-res colors, C program in C source code and executable.

AmigaBASIC progs(dir)
Automat Cellular automata simulation. AmigaBASIC Program.

CrazyEight Card game based on the children's traditional favorite.

Graph Function graphing programs. AmigaBASIC Program.

WitchingHour A game. AmigaBASIC Program.

ABasiC programs
Casino Games of poker, blackjack, dice, and craps. ABasiC program.

Gomoku Also known as 'othello'. ABasiC program.

Sabotage Sort of an adventure game. ABasiC program.

Executable programs
Disassem A 68000 disassembler, Executable program.

DpSlide Shows a given set of IFF pictures, Executable program.

Arrange A text formatting program, Executable program.

Assembler programs:
Argoterm Terminal program with speech and Xmodem, Assembler program. source code and executable program.

•AMICUS Disk 4•

AMICUS Disk number 4 contains files from the original Amiga Technical BBS. Note that some of these files are old, and refer to older versions of the operating system. These files came from the Sun system that served as Amiga technical support HQ for most of 1985. These files do not carry a warranty, and are for educational purposes only. Of course, that's not to say they do not work.

image.ed Complete and nearly up-to-date C source to 'image.ed', an early version of the Icon Editor. This is a little flakey, but compiles and runs.

Intuition demo An Intuition demo, in full C source, including files: demomenu.c, demomenu2.c, demoreq.c, getascii.c, idemo.c, idemo.guide, idemo.make, idemoall.h, nodos.c, and txwrite.c

addmem.c Add external memory to the system. C program.

bobtest.c Example of BOB use. C program.

consoleIO.c Console I/O example. C program.

creaport.c Create and delete ports. C program.

creastdi.c Create standard I/O requests. C program.

creatask.c Creating task examples. C program.

diskio.c Example of track read and write. C program.

dotty.c Source to the 'dotty window' demo. C program.

dualplay.c Dual playfield example. C program.

flood.c Flood fill example. C program.

freemap.c Old version of 'freemap'. C program.

geltools.c Tools for VSprites and BOBs. C program.

gfxmem.c Graphic memory usage indicator. C program.

hello.c Window example from RKM. C program.

inputdev.c Adding an input handler to the input stream. C program.

joystik.c Reading the joystick. C program.

keybd.c Direct keyboard reading. C program.

layertes.c Layers examples. C program.

mousport.c Test mouse port. C program.

ownlib.c, Example of making your own library in C with Lattice. C program.

ownlib.asm Example of making your own library in Assembly with Lattice. C program.

paratest.c tests parallel port commands. C program.

seritest.c tests serial port commands. C program.

serisamp.c Example of serial port use. C program.

prinintr.c Sample printer interface code. C program.

prtbase.h Printer device definitions. C program.

regintes.c Region test program. C program.

setlace.c Source to interlace on/off program. C program.

setparallel.c Set the attributes of the parallel port. C program.

SetSerial.c Set the attributes (parity, data bits) of the serial port. C program.

singplay.c Single playfield example. C program.

speechtoy.c Source to narrator and phonetics demo. C program.

timedely.c sSmple timer demo. C program.

timer.c Exec support timer functions. C program.

timrstuf.c More exec support timer functions. C program.

WhichFont.c loads and displays all available system fonts process.i and prtbase.i assembler include files. C program.

autorqstr.txt Warnings of deadlocks with auto requesters. C program.

consoleIO.txt Copy of the RKM console I/O chapter. C program.

diskfont.txt Warning of disk font loading bug. C program.

fullfunc.txt List of #defines, macros, functions. C program.

inputdev.txt Preliminary copy of the input device chapter. C program.

License Text, License information on Workbench distribution license.

printer Printer pre-release copy of the chapter on printer drivers, from RKM 1.1.

v11fd.txt 'diff' of .fd file changes from version 1.0 to 1.1.

v28v1.diff 'diff' of include file changes from version 28 to 1.0.

•AMICUS Disk 5•

Files from the Amiga Link /Amiga Information Network. Note that some of these files are old, and refer to older versions of the operating system. These files are from Amiga Link. For a time, Commodore supported Amiga Link, aka AIN, for online developer technical support. It was only up and running for several weeks. These files do not carry a warranty, and are for educational purposes only. Of course, that's not to say they don't work.

menudemo A demo of Intuition menus called 'menudemo', in C source. C program.

whereis.c Find a file searching all subdirectories. C program.

bobtest.c BOB programming example. C program.

sweep.c Sound synthesis example. C program.

Assembler files

mydev.asm Sample device driver. Assembler file.

mylib.asm Sample library example. Assembler file.

mylib.i

mydev.i

asmsupp.i

macros.i Assembler include files.

Texts

amigatricks Text, tips on CLI commands.

extdisk Text, external disk specification.

gameport Text, game port spec.

parallel Text, parallel port spec.

serial Text, serial port spec.

v1.1update Text. list of new features in version 1.1.

v1.1h.txt Text, 'diff' of include file changes from version 1.0 to 1.1.

Printer driver Text files for building your own printer drivers, including dospecial.c, epsondata.c, init.asm, printer.c, printer.link, printertag.asm, render.c, and wait.asm.

IFF specs This disk does contain a number of files describing the IFF specification. These are not the latest and greatest files, but remain here for historical purposes. They include text files and C source examples. The latest IFF spec is elsewhere in this library.

•AMICUS Disk 6•

DPSlide Program, can view a given series of IFF pictures.

SlideShow A 'showpic' program which can view each IFF picture file at the click of an icon.

ArticFox.pic A IFF screen from ArticFox.

Degas.pic A Degas dancer IFF screen.

Degas2.pic A Degas dancer.IFF screen.

Degas3.pic A Degas dancer.

Degas4.pic A Degas dancer.

EAguys.pic The guys at Electronic Arts.

mandrill A gorilla in an IFF picture.

Horses.pic Horses in an IFF picture.

KingTut King Tut in an IFF picture.

Lighthouse A lighthouse in an IFF picture.

MarbleMadness.pic A screen from Marble Madness.

Martian The Bugs Bunny Martian in an IFF picture.

MovieGuys.pic A still from an old movie in an IFF picture.

MTV The Dire Straits moving company in an IFF picture.

PinballConstSet.pic. A screen from Pinball Contruction Set in an IFF picture.

Newscaster.pic A TV newcaster in an IFF picture.

PaintCan.pic The PaintCan in an IFF picture.

WorldMap A world map in an IFF picture.

Porsche A Porsche in an IFF picture.

ShuttlePatch A shuttle mission patch in an IFF picture.

T.Rex A tyrannosaurus rex in an IFF picture.

PolarView A planet view in an IFF picture.

VisaCard A VISA card in an IFF picture.

TenSpeed A ten-speed in an IFF picture.

Saturn An IFF picture.

Starflight An IFF picture.

Uranus An IFF picture.

Venus An IFF picture.

•AMICUS Disk 7•

AMICUS Disk 7 contains the Digi-View HAM demo picture disk. These are pictures from the Digi-View hold-and-modify video digitizer.

LollypopLady Famous Lady with lollypop picture which caused so many people to purchase the Amiga for its graphics. An IFF picture.

Child Toddler digitized forever in Amiga history, an IFF picture.

ComputerBlocks An IFF image of multicolored computer composed shapes as blocks.

Dozer An IFF picture of a bulldozer.

Horse&Buggy Hanson cab in an IFF picture.

OldMan Shades of Santa digitized in an IFF picture.

PeopleCable An IFF picture resembling an old BYTE Magazine cover.

Robert Grey scale digitization of a startled young man, an IFF picture.

Robot IFF picture of toy robot.

StatueOfLiberty Evening view of the great lady's profile in an IFF pictiure.

Webster The dictionary page in an IFF picture.

Woman&Pencil Famous IFF image of a woman holding a pencil (seen in early Digi-View™ advertisements).

SaveILBM 'seeilbm' program, to turn any screen into an IFF picture.

ShowILBM Shows ILBM images.

ShowHAM Shows HAM images.

•AMICUS Disk 8•

Browse View text files on a disk, using menus in source code and executable, a C program.

Crunch Removes comments and white space from C files, in source code and as an executable, a C program.

IconExec EXECUTE a series of commands from Workbench AC program in source code and as an executable.

PDScreen Dump C program which dumps Rastport of highest screen to printer.

SetAlternate C program which sets a second image for an icon, when clicked once. In C source code and as an executable program.

SetWindow C program makes windows for a CLI program to run under Workbench In source code and as an executable.

SmallClock A small digital clock in a window menu bar as a C program.

Scrimper Perry Kivolowitz's C program screen printer from ACV1.4 in source code and executable code.

AmigaBASIC program
AddressBook A simple address book database as an AmigaBASIC Program.

Ball Draws a ball, an AmigaBASIC Program.

Cload An AmigaBASIC Program to convert Compuserve hex files to binary. Source code and documentation included.

Clue The game, Intuition driven, an AmigaBASIC Program.

ColorArt Art drawing program in AmigaBASIC.

DeluxeDraw The drawing program from AC v1.3 in AmigaBASIC.

Eliza Legendary conversational computer psychologist in AmigaBASIC.

Othello An AmigaBASIC Program of the oriental game known as 'go'.

RatMaze 3D rat maze game in AmigaBASIC.

ROR AmigaBASIC boggling graphics demo.

Shuttle AmigaBASIC program draws 3D pictures of the space shuttle.

Spelling simple spelling program in AmigaBASIC.

YoYo weird zero-gravity yo-yo demo, tracks yo-yo to the mouse, in AmigaBASIC.

Executable programs
3Dcube Modula-2 demo of a rotating cube.

AltIcon Sets a second icon image, displayed when the icon is clicked.

AmigaSpell A slow but simple spell checker. Executable program.

arc The ARC file compression program, a must-have for telecommunications. Executable program.

Bertrand A graphics demo.

disksalvage A program to rescue trashed disks. Executable program.

KwikCopy A quick but nasty disk copy program: It ignores errors. Executable program.

LibDir This program lists hunks in an object file. Executable program and documentation.

SaveILBM This program saves any screen as an IFF pic. Executable program and documentation.

ScreenDump A Shareware screen dump program.

StarTerm Version 2.0, terminal program with Xmodem.

Texts
LatticeMain Text file tips on fixing _main.c in Lattice.

GDiskDrive Text file instructions to make your own 5 1/4 drive.

GuruMed Text file explains the Guru numbers. This is an older file.

Lat3.03bugs Text file lists bugs of Lattice C version 3.03.

MForgeRev Text of a user's view of the MicroForge hard drive.

PrintSpooler EXECUTE-based print spool program.

.BMAP files
These are the necessary links between AmigaBASIC and the system libraries. To take advantage of the Amiga's capabilities in BASIC, you need these files. BMAPs are included for :

clist.bmap
console.bmap
diskfont.bmap
exec.bmap
graphics.bmap
icon.bmap
intuition.bmap
layers.bmap
mathffp.bmap
mathieeedoubas.bmap
mathieeesingbas.bmap
mathtrans.bmap
potgo.bmap
timer.bmap
translator.bmap

•AMICUS Disk 9•

AmigaBASIC Programs
FlightSim A simple flight simulator program in AmigaBASIC.

HuePalette An AmigaBASIC program which explains Hue, Saturation, & Intensity.

Requester A requester subroutine for use in your AmigaBASIC programs.

ScrollDemo Demonstrates the text scrolling capabilities of AmigaBASIC.

Synthesizer A sound program in AmigaBASIC.

WorldMap An AmigaBASIC program which draws a map of the world.

Executable programs:
Boing! Boing! demo,with selectable speed. Executable program.

Brush2C Brush2C converts an IFF brush to C data instructions, initialization code. Executable program.

Brush2Icon Brush2Icon converts an IFF brush to an icon. Executable program.

Dazzle A Graphics demonstration which produces patterns based on mouse movements. Executable program.

DeciGEL An assembler program for stopping 68010 errors. In C source code and executable program. Documentation provided.

Klock A menu-bar clock and date display. Executable program.

Life The game of Life. Executable program.

TimeSet An Intuition-based way to set the time & date.

MEmacs Another Emacs, more oriented to word processing. In C source code and executable program, and documentation provided.

MyCLI A CLI shell, works without the Workbench. In C source code and executable. Documentation provided.

Texts:
FnctnKeys Text file explains how to read function keys from AmigaBASIC.

HackerSln Text file explains how to win the game 'hacker'.

Ist68010 Text guide to installing a 68010 in your Amiga.

PrinterTip A text file instruction for sending escape sequences to your printer.

StartupTip Text file tips on setting up your startup-sequence file.

XfrmrReview Text file list of Transformer programs that work.

Printer Drivers
Canon PJ-1080A Printer driver for the Canon PJ-1080A.

C Itoh Prowriter Printer driver for the C Itoh Prowriter.

Epson An improved Epson driver that eliminates streaking.

Epson LQ-800 Printer driver for the Epson LQ-800.

Gemini Star-10 Printer driver for the Gemini Star-10.

NEC 8025A Printer driver for the NEC 8025A.

Okidata ML-92 Printer driver for the Okidata ML-92.

Panasonic KX-P10xx Printer driver for the anasonic KX-P10xx family of printers.

Smith-Corona D300 Printer driver for the Smith-Corona D300.

Install Drivers A document describing the installation process for printer drivers.

•AMICUS Disk 10•

Instrument sound demos
AMICUS Disk 10 is an icon-driven Instrument sound demonstration, circulated to many dealers. It includes the sounds of an acoustic guitar, an alarm, a banjo, a bass guitar, a boink, a calliope, a car horn, claves, water drip, electric guitar, a flute, a harp arpegio, a kickdrum, a marimba, a organ minor chord, people talking, pigs, a pipe organ, a Rhodes piano, a saxophone, a sitar, a snare drum, a steel drum, bells, a vibrophone, a violin, a wailing guitar, a horse whinny, and a whistle.

•AMICUS Disk 11•

C programs
dirutil Intuition-based, CLI replacement manager executable as well as source code in C.

cpri cpri shows and adjusts priority of CLI processes in C source code and executable.

ps ps shows info on CLI processes, in C source code and as an executable.

Vidtex Vidtex displays Compuserve RLE pics in source code and as an executable.

AmigaBASIC programs
pointerEd A pointer and sprite editor program in AmigaBASIC.

optimize An optimization example from an AC article, in AmigaBASIC.

calendar A large, animated calendar, diary and date book program in AmigaBASIC.

amortize Loan amortizations program in AmigaBASIC.

brushtoBOB Converts small IFF brushes to AmigaBASIC BOB OBJECTS, an AmigaBASIC program.

grids An AmigaBASIC program which will draw and play waveforms.

hilbert An AmigaBASIC that draws Hilbert curves.

madlib A mad lib story generator in AmigaBASIC.

mailtalk A talking mailing list program in AmigaBASIC.

meadows3D A 3D graphics program, from an AC™ article, in AmigaBASIC.

mousetrack A mouse tracking example in hires mode in AmigaBASIC.

slot A slot machine game written in AmigaBASIC.

tictactoe The classic game written in AmigaBASIC.

switch A pachinko-like game written in AmigaBASIC.

weird A program written in AmigaBASIC that makes strange sounds.

Executable programs
cp A UNIX-like copy command. Executable program.

cls A screen clear program. Executable program and source code.

Diff A UNIX-like stream editor which uses 'diff' output to fix files.

pm A chart recorder performances indicator.

Assembler programs
cls A screen clear and CLI arguments example in Assembly.

Modula-2 trails a moving-worm graphics demo in Modula-2.

caseconvert Modula-2 program which converts Modula-2 keywords to uppercase.

SimpleReq An example of a custom requester from Modula-2.

Breshehan A Forth program which produces a Breshehan circle algorithm example.

Analyze Templates 12 templates for the spreadsheet Analyze.

ConvertDoodle Converts Commodore 64 Doodle files into Amiga format.

ConvertKoala Converts Commodore 64 Koala files into Amiga format.

ConvertPrintShop Converts Commodore 64 PrintShop files into Amiga format.

•AMICUS Disk 12•

Executable programs
blink 'alink' compatible linker, but faster. Executable program and documentation.

clean Executable program, spins the disk for disk cleaners. Documentation included.

epsonset Executable program that sends Epson settings to PAR from menu. Documentation included.

showbig Executable program which will view hi-res pics in low-res superbitmap. Documentation included.

speaktime Speaking program which will tell the time. Executable program and documentation.

undelete Executable program undeletes a file. Documentation included.

cnvapldhm Executable program that converts Apple][low, medium and high res pictures to IFF. Documenation included.

menuEd A menu editor that produces C code for menus. Executable program and documentation.

quick A quick disk-to-disk nibble copier. Executable program and documentation.

quickEA Program copies Electronic Arts disks, removes protection. Executable program and documentation.

txed 1.3 A demo of text editor from Microsmiths. Executable program and documentation.

C programs
spin3 C program of rotating blocks as a graphics demo. In C source code and executable. Documentation included.

popcli A C program that allows you to start a new CLI at the press of a button, like Sidekick. In C source code and executable. Documentation included.

vsprite VSprite example C code from Commodore, S-E-D.

AmigaBBS AmigaBASIC bulletin board C program.

Assembler programs
star10 Assembler program, makes star fields like Star Trek intro. In C source code and executable. Documentation included.

Mount Mandelbrot A 3D view of a Mandelbrot set.

Star Destroyer A hi-res picture of the Empire's Star Wars starship.

Robot A picture of a robot arm grabbing a cylinder.

vendors Older text file of Amiga vendors, names, addresses.

cardco Text file of fixes to early Cardco memory boards.

cinclude Text file cross-reference to C include files.

mindwalker Text clues to playing the game well.

slideshow Instructional text to produce your own slideshows from the Kaleidoscope disk.

•AMICUS Disk 13•

AmigaBASIC programs
Routines from Carolyn Scheppner of CBM Tech Support, to read and display IFF pictures from AmigaBASIC. With documentation. Also included is a program to do screen prints in AmigaBASIC, and the newest BMAP files, with a corrected ConvertFD program. With example pictures, and the SaveILBM screen capture program. Routines to load and play FutureSound and IFF sound files from AmigaBASIC, by John Foust for Applied Visions. With documentation and C and assembler source for writing your own libraries, and interfacing C to assembler in libraries. With example sound.

Executable programs
gravity Sci Amer Jan 86 gravitation graphic simulation. In C source code and executable. Documentation included.

MIDI Make your own MIDI instrument interface with documentation and a hi-res schematic picture.

•AMICUS Disk 14•

Several programs from Amazing Computing issues:

Dan Kary's C structure index program. In C source code and executable. Documentation included.

AmigaBASIC programs
BMAP Reader by Tim Jones.

IFFBrush2BOB by Mike Swinger.

AutoRequester example.

DOSHelper Windowed help system for CLI commands. In C source code and executable. Documentation included.

PETrans translates PET ASCII files to ASCII files. In C source code and executable. Documentation included.

C Squared Graphics program from Scientific American, Sept 86. In C source code and executable. Documentation included.

crlf adds or removes carriage returns from files. In C source code and executable. Documentation included.

dpdecode decrypts Deluxe Paint, demo.

ves copy protection. Executable program and documentation.

queryWB asks Yes or No from the user returns exit code. Source code and executable program.

vc VisiCalc type spreadsheet, no mouse control. Executable program and documentation.

view views text files with window and slider gadget. Executable program and documentation.

Oing, Sproing, yaBoing, Zoing are sprite-based Boing! style demos. dIn C source code and executable. Documentation included.

CLIClock sClock, wClock are window border clocks. Source code, executable program, and documentation.

Texts An article on long-persistance phospor monitors, tips on making brushes of odd shapes in Deluxe Paint, and recommendations on icon interfaces from Commodore-Amiga.

•AMICUS Disk 15•

C programs
pr A file printing utility, which can print files in the background, and with line numbers and control character filtering.

fm displays a chart of the blocks allocated on a disk.

Ask questions an 'execute' file, returns an error code to control.

Executable programs
Stat An enhanced version of AmigaDOS 'status' command.

Dissolve Random-dot dissolve demo displays IFF picture slowly, dot by dot, in a random fashion.

PopCLI2 Invoke new CLI window at the press of a key.

Executable programs
Form File formatting program through the printer driver to select print styles.

DiskCat catalogs disks, maintains, sorts, merges lists of disk files.

PSound SunRize Industries' sampled sound editor & recorder.

Iconmaker makes icons for most programs.

Fractals draws great fractal seascapes and mountainscapes.

3D Breakout 3D glasses, create breakout in a new dimension.

AmigaMonitor displays lists of open files, memory use, tasks, devices and ports in use.

Cosmoroids A version of 'asteroids' for the Amiga.

Sizzlers High resolution graphics demo written in Modula 2.

Texts
ansi.txt explains escape sequences the CON: device responds to.

FKey includes template for making paper to sit in the tray at the top of the Amiga keyboard.

Spawn Programmer's document from Commodore Amiga, describes ways to use the Amiga's multitasking capabilities in your own programs.

AmigaBASIC programs
Grids Draw sound waveforms, and hear them played.

Light A version of the Tron light-cycle video game.

MigaSol *A* game of solitaire.

Stats Program to calculate batting averages.

Money "Try to grab all the bags of money that you can."

AMICUS 15 also includes two beautiful IFF pictures, of the enemy walkers from the ice planet in Star Wars, and a picture of a cheetah.

•AMICUS Disk 16•

juggler "juggler" is a demo by Eric Graham. A robot juggler bouncing three mirrored balls, with sound effects. Twenty-four frames of HAM animation are flipped quickly to produce this image. You control the speed of the juggling. The author's documentation hints that this program might someday be available as a product.

IFF pictures parodies of the covers of Amiga World and Amazing Computing magazines.

C programs
Inputhandler Example of making an input handler.

FileZap3 Binary file editing program.

ShowPrint displays IFF picture, and prints it.

Gen Program indexes and retrieves C structures and variables declared in the Amiga include file system.

Executable Programs
FixHunk2 repairs an executable program file for expanded memory.

ms2smus converts Music Studio files to IFF standard 'SMUS' format. I heard this program might have a few bugs, especially in regards to very long songs, but it works in most cases.

Missile Amiga version of the 'Missile Command' video game.

AMICUS Disk 16 contains several files of scenarios for Amiga Flight Simulator II. By putting one of these seven files on a blank disk, and inserting it in the drive after performing a special command. In this game, a number of interesting locations are preset into the Flight Simulator program. For example, one scenario places your plane on Alcatraz, while another puts you in Central Park.

•AMICUS Disk 17•

Telecommunications disk which contains six terminal programs.

Comm V1.33 Term prog. with Xmodem, WXmodem.

ATerm V7.2 Term prog. includes Super Kermit.

VT-100 V2.6 Dave Wecker's VT-100 emulator with Xmodem, Kermit, and scripting.

Amiga Kermit V4D(060) port of the UNIX C-Kermit.

VTek V2.3.1 Tektronix graphics terminal emulator based on the VT-100 prog. V2.3 and contains latest 'arc' file compression.

AmigaHost V0.9 for Compuserve. Includes RLE graphics abilities & CIS-B file transfer protocol.

FixHunk Expansion memory necessity.

FixObj removes garbage characters from modem received files.

Txt filters text files from other systems to be read by the Amiga E.C.

addmem Executeable version for use with mem expansion article in AC v2.1.

arc File documentation and a BASIC tutorial on un 'arc'ing files.

arcre for making "arc" files E.C.

•AMICUS Disk 18•

Logo Amiga version of the popular computer language, with example programs. Executable program and documentation.

Tv*Text Demo version of the TV*Text character generator.

PageSetter Freely distributable versions of the updated PagePrint and PageIFF programs for the PageSetter desktop publishing package.

FullWindow Resizes any CLI window using only CLI commands. Executable program and documentation.

Life3d 3D version of Conway's LIFE program. Executable program and documentation.

Defdisk CLI utility to re-assign a new Workbench disk. In C source code and executable. Documentation included.

Calendar.WKS Lotus-compatible worksheet that makes calendars.

SetKey Demo of keyboard key re-programmer, with IFF picture to make function key labels.

VPG Video pattern generator for aligning monitors. Executable program and documentation.

HP-10C Hewlett-Packard-like calculator. Executable program and documentation.

SetPrefs Change the Preferences settings on the fly, in C source code, executable program and documentation.

StarProbe Program studies stellar evolution. C source included for Amiga and MS-DOS. In C source code, executable, and documentation.

ROT C version of Colin French's AmigaBASIC ROT program from Amazing Computing. ROT edits and displays polygons to create three dimensional objects. Up to 24 frames of animation can be created and displayed. E-D

Scat Like Ing, windows on screen run away from the mouse. Executable program and documentation.

DK Decays the CLI window into dust, in Modula 2. In C source code, executable program and documentation.

DropShadow2 Adds layered shadows to Workbench windows. Executable program and documentation.

•AMICUS Disk 19•

AMICUS Disk 19 contains several programs from Amazing Computing. The IFF pictures on this disk include the Amiga Wake party T-shirt logo, a sixteen-color hi-res image of Andy Griffith, and five Amiga Live! pictures from the Amazing Stories episode which featured the Amiga.

Solve Linear equation solver in assembly language. Source code, executable program and documentation.

Gadgets Bryan Catley's AmigaBASIC tutorial. Source code and documentation.

Household Bryan Catley's AmigaBASIC household inventory program. In C source code and documentation.

Waveform Jim Shields' Waveform Workshop in AmigaBASIC. In C source code and documentation.

DiskLib John Kennan's AmigaBASIC disk librarian program. In C source code and documentation.

Subscripts Ivan Smith's AmigaBASIC subscript example. In C source code and documentation.

String, Boolean C programs and executables for Harriet Maybeck Tolly's Intuition tutorials. In C source code, executable program, and documentation.

Skinny C Bob Riemersma's example for making small C programs. Source code, executable program, and documentation.

COMAL.h Make C look like COMAL header file. In C source code, and documentation.

EmacsKey Makes Emacs function key definitions by Greg Douglas. In C source code, and documentation.

AMon 1.1 Snoop on system resource use. Executable program and documentation.

BTE Bard's Tale character editor. Executable program and documentaion.

Size CLI program shows the size of a given set of files. Executable program and documentaion.

WinSize CLI window utility resizes current window. In C source code, executable program, and documentation.

•AMICUS Disk 20•

Compactor, Decoder Steve Michel AmigaBASIC tools. In C source code and documentation.

BobEd BOB and sprite editor written in C. In C source code, executable program and documentation.

SpriteMasterII Sprite editor and animator by Brad Kiefer. Executable program and documentation.

BlitLab Blitter chip exploration C program by Tomas Rokicki. In C source code, executable program and documentation.

FPic Image processing program by Bob Bush loads and saves IFF images, changes them with several techniques. Executable program and documentation.

Bankn Complete home banking program, balance your checkbook!. Executable program and documentation.

•AMICUS Disk 21•

Target Makes each mouse click sound like a gunshot. In C source code, executable program and documentation.

Sand Simple game of sand that follows the mouse pointer. Executable program and documentation.

PropGadget Harriet Maybeck Tolly's proportional gadget example. Source code and executable.

EHB Checks to see if you have extra-half-bright graphics. In C source code, executable program and documentation.

Piano Simple piano sound program.

CelScripts Makes cel animation scripts for Aegis Animator, in AmigaBASIC.

AMICUS Disk 21 also contains electronic catalogs for AMICUS disks 1 to 20 and Fish disks 1 to 80. They are viewed with the DiskCat program, included here.

•AMICUS Disk 22•

Cycles Light cycle game. Executable program and documentation.

Show_PrintII Views and prints IFF pictures, including larger than screen.

PrtDrvGen2.3 Latest version of a printer driver generator.

Animations VideoScape animations of planes and boing ball.

Garden makes fractal gardenscapes.

BASICSorts Examples of binary search and insertion sort in AmigaBASIC.

•AMICUS Disk 23•

An AMICUS disk completely dedicated to music on the Amiga. This disk contains two music players, songs, instruments, and players to bring the thrill of playing "Big Sound" on your Amiga.

AMICUS

Instruments A collection of 25 instruments for playing and creating music. The collection ranges from Cannon to Marimba.

List INSTR Program to list the instruments DMCS will not load as well as list the origins for any instrument.

Music A collection of 14 Classical pieces.

1812Overture The 16 minute classical feature complete with Cannon!

Three Amiga Music Players:
SMUSPlay
MusicCraft2SMUS
MusicStudio2SMUS

•AMICUS Disk 24•

Sectorama A disk sector editor for any AmigaDOS file-structured device, recover files from a trashed hard disk. By David Joiner of MicroIllusions.

Iconize Reduces the size of IFF images, companion program, Recolor, remaps the palette colors of one picture to use the palette colors of another. Using these programs and a tool to convert IFF brushes to Workbench icons, make icons look like miniatures of the pictures.

CodeDemo Modula-2 program converts assembler object files to inline CODE statements. Comes with a screen scrolling example

AmiBug Workbench hack makes the same fly walk across the screen at random intervals. Otherwise, completely harmless.

BNTools Three examples of assembly language code from Bryce Nesbitt:
1. **SetLace**, prog to switch interlace on&off.
2. **Why**, replace AmigaDOS CLI Why
3. **LoadIt**, prog to load a file into memory until a reboot. (Only the most esoteric hackers will find LoadIt useful.)

Monolace CLI program resets Preferences to several colors of monochrome & interlace screens. C source is included, works with DisplayPref, a CLI program which displays the current Preferences settings.

BoingMachine A ray-traced animation of a perpetual motion Boing-making machine, includes the latest version of the Movie program, which has the ability to play sounds along with the animation. By Ken Offer.

Daisy Example of using the translator and narrator devices to make the Amiga talk. It is written in C.

QuickFlix Script-driven animation and slideshow program flips through IFF images.

BMon System monitor AmigaBASIC program; perform simple manipulations of memory.

Moose Random background program, a small window opens with a moose resembling Bullwinkle saying witty phrases user definable.

DGCS Deluxe Grocery Construction Set, simple Intuition-based prog for assembling and printing a grocery list.

The Virus Check directory holds several programs relating to the software virus that came to the US from pirates in Europe as detailed in Amazing Computing V2.12. Bill Koester's full explanation of the virus code is included. One program checks for the software virus on a Workbench disk; the second program checks for the virus in memory, which could infect other disks.

•AMICUS Disk 25•

Nemesis Graphics demo pans through space towards the mythical dark twin of the sun with wonderful music and space graphics.

The KickPlay directory holds text that describes several patches to the Kickstart disk. For Amiga 1000 hackers who feel comfortable patching a disk in hexadecimal, KickPlay offers the chance to automatically do an ADDMEM for old expansion memory, as well as the ability to change the picture of the "Insert Workbench" hand. A program is also included for restoring the correct checksum of the Kickstart disk.

KeyBird BASIC prog edits keymaps, adjust the Workbench keymaps or create your own.

8ColorWB Modifies the Workbench so three bitplanes are used, icons can have eight colors, instead of four, eight-color icons are included. Public domain program "zapicon" or "brush2icon" converts eight-color IFF brushes to icons, to use Deluxe Paint to make icons for this new Workbench.

BrushIcon Converts brushes to icons (bizarr docs).

Egraph Graphing prog reads [x,y] values from a file and displays them on the screen, similar to the same-named UNIX program.

Keep 1.1 Message-managing program for telecommunications, lets you save messages from an online transcript to another file, understands the message format of the national networks and several types of bulletin board software. Moves through the transcript and save messages.

Kill.fastdir Speed up directory access, it creates a small file in each directory on a disk which contains the information about the files, will also remove all the "fastdir" files from each directory. By CLImate's authors.

The LaceWB program changes between interlace and non-interlace Workbench. Previously, you were forced to reboot after changing Preferences to an interlaced screen. This program flips between the normal and extended screen heights.

PW_Utility A shareware utility for ProWrite users, changes margin settings and font types.

Guru A CLI program, prints out probable causes for Guru mediations; C source included.

DiskWipe Latest from Software Distillery, removes files from directories or disk drives, much faster than "delete."

Snow AmigaBASIC makes snowflake designs.

Mlist Mailing list database.

Softballstats Maintain softball statistics/ team records.

Dodge Short Modula-2 program moves the Workbench screen around after a period of time, prevents monitor burn-in.

•AMICUS Disk 26•

Todor Fay's SoundScape module code from his Amazing Computing articles. The source to Echo, Chord, TX, and VU is included. The Lattice and Manx C source code is here, along with the executable modules.

Claz2 Update of prog to convert IFF images to PostScript files for printing on laser printers.

SDBackup Hard disk backup prog with Lempel-Ziv compression to reduce the necessary number of disks.

TCB Prints information about tasks and processes in the system; assembler source is included.

FunBut Lets a function key act like a rapid series of left mouse button events.

DC A handy program for people who use an Amiga 1020 5 1/4 inch drive as an AmigaDOS floppy. A Workbench program that sends a DiskChange signal to the operating system: Instead of typing "diskchange df2:" over and over again, just click on the icon. C source included.

System config File makes screen 80 columns wide of text in the Scribble! word processor.

Dick2RAM 2 programs to move the Scribble! spelling dictionary to and from the RAM disk.

Lexical Analyzes a text file and gives the Gunning-Fog, Flesch, and Kincaid indices which measure readability.

HexDump Modula-2 program to display memory locations in hexadecimal.

Tartan AmigaBASIC; design Tartan plaids.

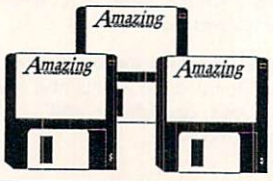
DirMaster Disk catalog program.

BMP plays 8SVX sampled sounds in the background while something else is happening in the Amiga, as your Amiga is booting, for example.

ShowPt CLI program changes your pointer to a given pointer.

AMICUS 26 also contains a collection of mouse pointers, & Workbench program to display them.

•AC•



The Amazing Computing Freely Redistributable Software Library announces the addition of...

New Orleans Commodore Klub's

inNOCKulation Disk

Version 1.41

To help inform Amiga users of the newer Amiga viruses and provide them with the means to detect and eradicate those pesky little critters!

Files and directories on the inNOCKulation Disk include:

Virus_Texts (dir)
Various text files from various places (Amicus #24, PeopleLink, and elsewhere!) describing the Virus(es) and people's experiences and their recommendations; TVSB "The Virus Strikes Back": satirical text describing future efforts to rid the universe of the dreaded (silicon) viruses! Interview with the alleged SCA virus author!

WB_VirusCheckers (dir)

VirusX2.1
Runs in the background and checks disks for viruses or non-standard boot blocks whenever they are inserted. (Recognizes several viruses and non-standard boot blocks. Removes virus in memory. Has a built-in "view boot blocks" & other features.)

Sentry
Revision of VirusX1.01 in Lattice C.

ViewBoot
Highly active mouse-driven disk and memory virus-checker which allows you to look at the pertinent areas (useful in case you supect a NEW virus!)

VRTest3.2
Watches memory for viruses; will alert the user and allow their removal if found. Can check & INSTALL disks, etc.

CLI_VirusCheckers (dir)

AntiVirusII
From The Software Brewery (W. German). Disables a virus in memory.

Clk_Doctor3
Corrects problems with the clock (caused by malignant programs, perhaps not really a "virus") (A500 & A2000)

Guardian1.1
Checks for attempts at viral infection at boot! Allows you to continue with a normal boot (if desired). Includes a small utility program to permanently place the program on a copy of your kickstart disk.

KillVirus
Removes (any?) virus from memory.

VCheck12:
Checks for SCA virus on disk or in memory.

VCheck19
Checks for any virus or otherwise non-standard boot block.

VirusKiller
A graphically appealing and user friendly program by TRISTAR.

Boot-Block_Stuff

SafeBoot2.2
SafeBoot will allow the user to save custom boot sectors of all your commercial disks and save them for such an emergency. If a virus somehow manages to trash the boot sectors of a commercial disk, just run SafeBoot and it will restore the boot sectors, therefore saving your disk!!

Virus_Alert V2.0.1
Yet another anti-virus program with a twist. Once installed on your boot disk a message is displayed just after a warm or cold boot notifying the the user that the disk and memory are virus-free, and forcing a mouse-button press before continuing.

BootBack1
Saves and restores boot-blocks. Runs from CLI only.

Antivirus *aka AVBB*
Includes SEKA assembler source.

XBoot
Converts a boot-block into an executable file, so you may use your favorite debugger (Wack, Dis, ...) to study it.

The inNOCKulation disk also includes icons and arc files.

To order the inNOCKulation disk, send: **$6.00** *includes postage & handling*
($7.00 for non-subscribers)

Amazing Computing
inNOCKulation disk orders
P.O. Box 869
Fall River, MA 02722

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Phantasie Ken E. Schaefer Amazing Phantasie Character Editor.
Plus a great collection of monthly columns...

Volume 3 Number 3 1988

Desktop Video,Part IV by Larry White Put all the pieces together-the desktop video commercial.
The Hidden Power of CLI Batch File Processing by J. Rothman Make your Amiga easier to use with CLI Batch files.
A Conference with Eric Graham edited by John Foust The mastermind behind Sculpt 3D and Animate 3D.
Perry Kivolowitz Interviewed by Ed Bercovitz Amiga insights from a major developer and personality.
Jean "Moebius" Giraud Interviewed by Edward L. Fadigan Avant-garde art comes to the Amiga-in dazzling form.
PAL Help by Perry Kivolowitz A1000 expansion reliability.
Boolean Function Minimization by Steven M. Hart A useful digital design tool in AmigaBASIC.
Amiga Serial Port and Midi Compatibility for Your A2000! by L. Ritter and G. Rentz Add an A1000-style serial port to the A2000!
Electric Network Solutions the Matrix Way by Robert Ellis Engineers! Practicle routines for using matrix algebra.
The A.M.U.G. BBS List compiled by Joe Rothman, Chet Solace, & Dorothy Dean 514 BBS phone numbers in the U.S. & Canada.
FACC II reviewed by Graham Kinsey Speed your floppy drives.
Uninvited reviewed by K E. Schaefer
Flow reviewed by Pamela Rothman brainstorms into mental art.
Benchmark Modula-2 Compiler reviewed by Richie Bielak
Modula-2 Programming by Steve Faiwiszewski The gameport device and simple sprites in action.
AmigaNotes by R. Rae A1000! Software-switchable output filter.
Roomers by The Bandito AmiExpo, Kickstart 1.4, Commodore
The Big Picture by Warren Ring-- Unified Field Theory!!
Plus a great collection of monthly columns...

Volume 3 Number 4 1988

Highlights from AmiExpo, Los Angeles by Steve Hull
Writing a SoundScape Patch Librarian T. Fay System Exclusive
Upgrade Your A1000 to A500/2000 Audio Power—by H.Bassen Modifications to help your A1000 make sweet music, too!
Amiga Audio Guide Listing of all Amiga audio products.
Gels in Multi-Forth by John Bushakra
Macrobatics by Patrick J. Horgan Ease the trauma of assembly language programming.
Amiga Audio Sources The folks behind all those audio products.
Take Five! by Steve Hull five Amiga games reviewed.
Amiga Notes by Rick Rae A basic tour of Amiga audio.
The Ultimate Video Accesory, Part V by Larry White
Bug Bytes by John Steiner
The Big Picture by Warren Ring Part II Unified Field Theory.
Roomers by The Bandito Hardware hijinx ... Toasted video ... the dream Amiga ... and more!
In the Public Domain by C.W. Flatte
Time Bandit review by Keith Conforti
AudioMaster review by B. Larson Real-time digitizing samples.
Music Mouse review by J Henry Lowengard Making music without lifting a finger from the mouse.
Amiga-Tax/Canadian Version review by Ed Bercovitz A Canadian income tax planning, preparation, & analysis package.
SAM BASIC review by Bryan Catley A new BASIC which exploits even more unique Amiga features.

Volume 3 Number 5 1988

Interactive Startup Sequence by Udo Pernisz
The Command Line part 1by Rich Falconburg
AmigaTrix III by Warren Block—Tips and tidbits to ease Amiga life
Amiga Product Guide: Hardware Edition
Proletariat Programming by P Quaid—Public domain compilers
The Companion by P.Gosselin Amiga's Event Handling capability.
MindLight 7 reviewed by David N. Blank
VideoScape 3-D 2.0 reviewed by David Hopkins
Extend reviewed by Bryan D. Catley—An AmigaBASIC extension
AssemPro reviewed by Stephen Kemp Opening a door to assembly language programming.
APL.68000 reviewed by Roger Nelson
Book Reviews by Richard Grace—Three "C" programming texts.
CBTREE reviewed by Michael Listman A tidy collection of functions to aid the C programmer.
The Big Picture by Warren Ring The three part Unified Field Theory winds up
Modula-2 by Steve Faiwiszewski Termination modules for Benchmark and TDI compilers.
68000 Assembly Language by Chris Martin Peeling away the complication of display routines.
Plus a great collection of monthly columns...

Volume 3 Number 6 1988

Bear Time Reviewed by Steve Carter What makes this inexpensive A1000 battery-backed clock tick?
Acquisition Reviewed by David N. Blank A look inside the latest release of a powerful relational database.
Butcher 2.0 Reviewed by Gerald Hull A tidy collection of diverse image processing utilities.
Reassigning Workbench Disks by John Kennan Endless disk swapping comes to a merciful end.
Product Guide: Software Tools Edition A listing of all the products you need to put your Amiga to work.
An IFF Reader in Multi-Forth by Warren Block Create an easy to use IFF reader in Multi-Forth.
Basic Directory Service Program by Bryan Catley A programming alternative to the GimmeeZeroZero windows.
C Notes from the C Group by Stephen Kemp A beginner's guide to the power of C programming.
An Amiga Forum Conference with Jim Mackraz The Amiga market as seen by the "Stepfather of Intuition."
Son of Seven Assemblers Reviewed by Gerald Hull A comparative battle between seven native-code assemblers.
The 1988 Commodore Amiga Developers Conference A look inside the conferences held in Washington, D.C.
Amiga Working Groups by Perry Kivolowitz and Eric Lavitsky An outline of the innovative Amiga Working Groups concept.
The Command Line by Rich Falconburg Exploring the multi-talented LIST command.
Plus a great collection of monthly columns...

Volume 3 Number 7 1988

Look, Up On the Screen, It's an Ami... It's a Pro... It's SuperGen reviewed by Larry White—Genlock comparisons
An Interview with "Anim Man," Gary Bonham by B. Larson An animated conversation with the man behind the format.
The Amiga at Spring COMDEX in Atlanta by Ed Bercovitz
Amiga Product Guide: Video/Graphics Edition Thirteen pages devoted to the Amiga's dazzling strong suit.
The Developing Amiga by Steve Pietrowicz Developers' notes: PD vs. shareware vs. freely distributableetc.
Roll Those Presses! by Barney Schwartz Welcome to the dandy, demanding world of desktop publishing!
Linked Lists in C by W. E. Gammill Put dynamic memory to work!
FrameGrabber Preview by Oran Sands Capturing an image can now be as fast as punching a single key!
A First Look at Interchange reviewed by David Hopkins Bridge the gap between those incompatible animation packages.
Perfect Vision reviewed by Bryan Catley Capture, digitize and save pictures from any video source.
ProWrite 2.0 Review reviewed by Pamela Rothman A graphic word processor specializing in efficient editing.
Doug's Math Aquarium: The Art of Mathematics by R. Bielak
Bear Products MegaRex II Expansion RAM by Steve Carte
The Command Line by Rich Falconburg
Amiga Notes by Rick Rae The Other Guys' Synthia: A digital synthesizer features won't stop.
C Notes from the C Group by Stephen Kemp Weathering the unknown "C" of basic object and data types.
Plus a great collection of monthly columns...

Volume 3 Number 8 1988

The Command Line by Rich Falconburg The journey into the CLI continues.
The Developing Amiga by Stephen R. Pietrowicz A gaggle of great programming tools.
Modula-2 Programming by Steve Faiwiszewski Libraries and the FFP and IEE Math Routines.
C Notes from the C Group by Stephen Kemp Arrays and pointers unmasked.
Dark Castle reviewed by Keith Conforti—The Black Knight lurks
Ports of Call reviewed by Julie Landry
Leatherneck reviewed by Michael Creeden-Rambo's not so tough!
Capone reviewed by Joyce and Robby Hicks- Light Guns blaze
Casino Fever reviewed by Michael T. Cabral—Vegas on Amiga
Ferrari reviewed by Jeffery Scott Hall—Start your engine
Arkanoid reviewed by Graham Kinsey—"blockbuster"
Ebonstar by Keith Conforti —black hole treking.
Deluxe Productionsreviewed by Harv Laser—Video wizardry
Game Pizazz by Jeffery Scott Hall— Register your questions here.
TrackMouse by Darryl Joyce Convert a standard Atari trackball into a peppy Amiga TrackMouse.
Amiga Interface for Blind Users reviewed by Carl W. Mann An ingenious interface that opens the Amiga to even more users!
Video in the Sunshine State reviewed by Stephen R. Pietrowicz RGB Video Creations hosts a video unveiling!
Amiga Product Guide: Games Edition
Tumblin' Tots by David Ashley—assemply language program.
Plus a great collection of monthly columns...

Volume 3 Number 9 1988

The Kideo Tapes by John Dandurand A Georgia elementary school puts desktop video to work.
Speeding Up Your System by Tony Preston floppy disk caching
Amiga Product Guide: Education Edition Everything you need to send your Amiga to the head of the class.
Computer Aided Instruction by Paul Castonguay Authoring system in AmigaBASIC.
Gels In Multi-Forth, Part II: Screenplay by John Bushakra Make the IFF converter from Part I easy to use-gadgets, menus,etc.
AmiExpo Midwest '88 by Michael T. Cabral After taking the coasts by storm, the Amiga wows Chicago
Intellitype by Harv Laser—Learning to type made easy...and *fun?*
Shakespeare by Barney Schwartz—Desktop publishing in full color.
XSpecs 3D by Steve Hull—A new dimension in Amiga graphics.
AmigaNotes by Richard Rae—How IFF sound samples are stored?
Take Five! by Steve Hull—Beat the back-to-school blues !
The Command Line by Rich Falconburg—continuing tour of CLI.
Hot on the Shelves by Michael T. Cabral & Michael Creeden What do you get when you combine intense war strategy with a monochrome monitor and desktop presentation? Check it out.
Bug Bytes by John Steiner
C Notes from the C Group by Stephen Kemp Operators, expressions, and statements in C uncovered.
Roomers by The Bandito Can Apple IIgs Plus keep Amiga away?

Volume 3 Number 10 1988

A First Look At Deluxe PhotoLab reviewed by David Duberman A paint package, poster-maker, and image processing program
DiskMaster reviewed by Steve Hull —file management utility.
DSM: A MC680000 Disassembler reviewed by Gerald Hull Looking for easily modifiable, assembler-ready code?
FBasic Language System reviewed by Patrick Quaid BASIC compiler and development system.
Hot on the Shelves by Michael T. Cabral—Deviant dice, gripping gray scales, color cartography, mauling modems, and much more.
The Command Line by Rich Falconburg NEWCLI: A painless way to create a new console window.
The Developing Amiga by S. Pietrowicz Usenet—24-Hour News
C Notes from the C Group by Stephen Kemp —loops
Roomers by The Bandito WP wars, ignominious interfaces, & more
PD Serendipity by C.W. Flatte—Fred Fish collectionpasses 150.
Comparison of MultiScan Monitors by Steven Bender Five multiscan alternatives square off on the desktop.
Record Keeping for Free-lancers:
A Superbase Professional Tutorial by Marion Deland Record keeping system for free-lance photographers and others.
On The Crafting of Programs by David J. Hankins—A look at optimization kicks off a series of articles on programming savvy.
Bob and Ray Meet Frankenstein by Robert D'Asto—Create, animate, and metamorphose graphics objects in AmigaBASIC.
Digital Signal Processing in AmigaBASIC by Robert Ellis Perform your own digital experiments with Fast Fourier Transforms.
HAM & AmigaBASIC by Bryan Catley—Pack your AmigaBASIC programs with many of the Amiga's 4096 shades!
CAI—Computer Aided Instruction: Part II by Paul Castonguay The Editor program wraps up our authoring system in AmigaBASIC.

Volume 3 Number 11 1988

Desktop Publishing with Professional Page by Barney Schwartz tutorial in document creation, plus some jazzy enhancements.
Game Pizzazz by J. Hall gaming hints, tips, high-score secrets.
Structures in C by Paul Castonguay C programming in an nutshell.
On The Crafting of Programs by D. Hankins speed up your progs.
Desktop Video VI: Adding the Third Dimension by Larry White Unraveling the complexity of 3D for your video creations.
A2000 Hard Drive Round Up by Sheldon Leemon
Keyclick by Mike M. Duppong a typewriter click in your keyboard.
More Linked Lists in C: Techniques and Applications by Forest W. Arnold Procedures for managing lists, storing diverse data types in the same list, and putting lists to work in your programs.
BASIC Linker by Brian Zupke Combine individual routines from your program library to create an executable program.
The Developing Amiga by Steven Pietrowicz A look at mysteries and successes behind efficient beta testing.
Modeler 3D Preview reviewed by David Hopkins A peek inside a new, open-ended 3D package.
AProDraw Graphics Tablet reviewed by Keith Conforti Artists! Meet the future of Amiga graphics.
StarGlider II reviewed by Jeffery Scott Hall Those irritating Ergons are back for another laser-lashing.
WShell reviewed by Lawrence Lichtman CLI substitute,
Hot on the Shelves by M. Cabral viruses, music, microfiche mastery
PD Serendipity by C.W. Flatte Fred Fish disks 149-152.
Roomers by The Bandito Golden RAM, 16-bit videogames, CD-I, another HAM skirmish ... what could possibly be NeXT?

Volume 3 Number 12 1988

Hot on the shelves by M. T. Cabral Graphic adventure, control over Preferences, a Postscript print utility, sequence live action animation, a new deal for user groups and the figure construction set.
PD Serendipity by C. W. Flatte Fred Fish disks 156-162
Bug Bytes by John Steiner All the latest from the world of bugs and upgrades.
Roomersby The Bandito AmiExpo, C.D. the latest from Commodore and more.
AmiExpo California By Stephen Kemp Hot— All the news.
EMPIRE reviewed by Stephen Kemp EMPIRE , the game of conquest, has finally come to the Amiga.
Virus Infection Protection (V.I.P.) reviewed by Jeffery Scott Hall What makes a computer sick and the cure.
The Command Line by Rich Falconburg What to do when the commands of AmigaDos fail.
Converting Patch Librarian Files by Phil Saunders How to get your sounds from there to here.
E.C.T. SampleWare by Tim Mohansingh The E.C.T. samples contain several gems.
The Creation of Don Bluth's Dragon's Lair by Randy Linden A look behind the scenes.
Easy Menus in JForth by Phil Burk HELLO WORLD.
Extending AmigaBasic by John Kennan The use of library calls from within AmigaBASIC.
Better Dead Than Alien reviewed by Jeffery Scott Hall Don't fire until you see the greens of their eyes.
Getting Started In Assembly by Jeff Glatt An introduction to Amiga assembly language programming
AC/BASIC 1.3 reviewed by Bryan Catley Release 1.3 of Absoft's AC/BASIC compiler for the Amiga.
Thexder reviewed by Bruce Jordan Thexder turns out to be a real screamer: Action, Adventure, Fantastic Sound, and stunning Graphics.
Magellan: The AMIGA Gets Smart reviewed by Steve Gillmor The worlds of artificial intelligence comes to the AMIGA in the form of A.I. system software.
C Notes From The C Group by Stephen Kemp Program or function control coding; the case history.
AmigaDos, Assembly Language, And FileNotes by Dan Huth Weapons in the war against file overload; accurate, descriptive file naming.

Volume 4 Number 1 1989

The Wonderful World of Hashnique reviewed by Shamms Mortier A review of the Amiga software products of Hash Enterprises
Desktop Video by Richard Starr Thinking about getting into Video? Here's what you'll need to know.
Industrial Strength Menus by Robert D'Asto Add some snazzy submenus to your AmigaBASIC cuisine
Second Generation 2D Animation Software by Geoffrey Williams Cel Animators and Key Frame Animators, how they differ and a look into their use.
What's The Diff? reviewed by Gerald Hull A review of Lattice's Compiler Companion
Scrolling Through SuperBitMap Windows by Read Predmore How to implement SuperBitMaps for viewing or drawing into large graphic areas.
Alive in 3D by Shamms Mortier A review of Caligari, a High-End 3D sculpting & animation package.
Sync Tips by Oran J. Sands III Dot crawl, the Amiga and composite video devices.
How May I Animate Thee?, Let Me Count The Ways- by Shamms Mortier An overview of animation techniques.
Stop-Motion Animation On The Amiga by Brian Zupke A hands on approach to animation and the Amiga.
Roomers by The Bandito Commodore's deal, RAM chip crisis, and more!
C Notes From the C Group by Stephen Kemp Structures - A powerful feature of C
On the Crafting of Programs by David J. Hankins What Format is right for you
The Command Line by Rich Falconburg A look at new and improved Assembly Language commands
Questron II reviewed by Jeffery Scott Hall Questron II - It's a journey back in time
Pointers, Function Pointers, and Pointer Declarations in C by Forest W. Arnold Reducing data type cependencies
Las Vegas Comdex Report by Louise Brinkmann Commodore's new 2500, 2500 UX, and more!
Philadelphia World of Commodore by Chris Darsch & Rick Rae Highlights of Philadelphia's Commodore Show
STELLARYX Review by Stephen Kemp Exciting & challenging! Terrific stereo and sound effects
Arkanoid Imposters: Unmasking the Impostors. reviewed by Jeffery Scott Hall A look at Arkanoid look-alikes
Bug Bytes by John Steiner Bugs and upgrades
Death of a Process by Mark Cashman Develop an error handling module in Modula-2

To be continued.....

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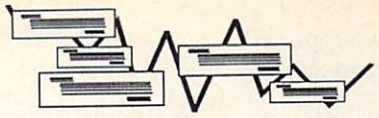
Amiga Supported Electronic Bulletin Board Systems



Compiled by Joe Rothman

This is A.M.U.G.'s BBS list, containing all known Amiga supporting BBS throughout U.S. and Canada. It was compiled as a cooperative effort by the BBS Sysops listed below. We like to spread the word about Amiga Public Domain and Telecommunications (TC). Going on line will get you into a whole new world of useful utilities, games and information.

The latest versions of our respective lists are available for download or capture at the following BBS as well as on boards across the country:

A.M.U.G.	Joe Rothman	516-234-6046	A.M.U.G. BBSlist
PSA-BBS	Dorothy Dean	414-278-5390	PSA-BBS's

Special thanks goes to Robert Tessier and the other A.M.U.G. members who helped confirm the BBS numbers in this list. A.M.U.G.'s BBS list is 100% confirmed. This means a modem was connection at least once on every number and a user was able to complete a logon. All unconfirmed numbers have been removed from the BBSlist.

Please remember that any number can become inactive at any time. It is not unusual for the phone company to issue a telephone number from a former BBS to a voice customer within a very short time after the BBS has closed. Please contact me or one of the other Sysops and tell us about any changes in the name, phone number, operational status, hours, baud rate or features of these BBS's. If you are able to provide additional numbers or information, please let us know. Your cooperation is greatly appreciated. We know there are more Amiga boards out there. Help us find them.

Some Thoughts on Piracy and Protection.
I don't understand why pirates are so proud of themselves. If they were really cool, they would be writing programs instead of cracking them. With so many numbers on this BBS list, there is a possibility that some of them could be pirate boards. If you encounter any pirate BBS's, please do not participate. These people are breaking the law in a very big way. Isn't copying a disk bad enough? No serious Software Developer wants to develop software which will be transmitted across the world on the day of its release, or in some cases, earlier. Pirate boards hurt the Amiga, let's shut them down. Patronize the open forum Public Domain boards and Freely Distributable boards instead.

Software Manufacturers could help also!
I am calling out to the software manufacturers. Stop protecting your software so the pirates will stop having so much fun cracking your code and your paying customers will not be so badly inconvenienced by poorly structured protection techniques. As some developers are beginning to realize, releasing demo versions of your software into the Public Domain allows users an opportunity to see what your software has to offer without resorting to piracy. This way everyone will get a chance to decide on whether or not they want your program.

Stop releasing buggy programs. If a bug does get through, call it a bug, don't exterminate it and call the new version an upgrade! Provide upgrade support at a reasonable cost. This is for game and entertainment software producers also. I don't remember ever hearing about a game maker improving a flaw in their game and notifying the public. These standards will force you to maintain a high quality in your software. If this is a problem for you, just remember, you can sell a lot of disks for $9.95.

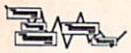
A Note to Sysops
It is very difficult or impossible to get statistical information on some BBS's. Please include baud rates supported, hours of operation and features in the message that greets your users, if possible. A good alternative would be to make the information available on at least one of your menus. If you run a Public Domain board, let the public know. One way you can help people recognize your board as a legal BBS is to require that people use their real names. Only pirates have a reason to use handles; real people have nothing to be ashamed of.

The Amiga has come a long way since it was first released. I firmly believe telecommunications had a lot to do with the Amiga's success. There wasn't much else to do in the early days. Now, in just a couple of years, the Amiga has established itself as a very powerful, vertical market computer, specializing in but not limited to, music, art, and video. By establishing a strong telecommunications link between Amiga users everywhere, we have been able to provide a great deal of much needed support for the Amiga community. Someone had to do it. To all BBS Sysops who have set up their boards in the same spirit, I dedicate this BBSlist.

Please delete, discard or ignore old copies of this list, as many of the numbers have been turned into voice lines by the phone company. All additional or changed numbers from last year's BBS list are marked with a * next to the phone number.

USA

ST	Name	Telephone	Hours	Maximum Baud & Features
AK	Northern Lights	907-337-4136	24 HOUR	24 1st Alaska Color
AK	Northern Node	907-452-1460	24 HOUR	12 Amiga Echomail
AK	Advance LAN	*907-479-8368	24 HOUR	24 BBS-PC!
AK	Light Stream	*907-486-2766	24 HOUR	24 BBS-PC!, 50 Megs
AK	Frozen Perch	*907-486-3094	24 HOUR	24 Citadel, Amiga Section
AK	Haven BBS	*907-753-0386	24 HOUR	24 BBS-PC!
AL	Smitty's House	*205-264-0513	24 HOUR	24 Wildcat, 132 Megs
AL	Super 88	*205-342-7866	24 HOUR	24
AL	M.S.S.T.C.	*205-381-0769	24 HOUR	24 Phoenix, 40 Megs
AL	Eagle Corner	*205-393-4300	24 HOUR	12 C64, 25 Megs
AL	Lighthouse	205-553-5322	24 HOUR	24 20 Meg, Amiga Section
AL	DataComm	*215-586-3064	24 HOUR	24 OPUS, 40 Megs
AL	Pep's Data	*205-626-7447	24 HOUR	24 PCboard
AL	Amiga Alliance	*205-631-2846	24 HOUR	24 BBS-PC!, 20 Megs
AL	Southern Regiment	*205-647-9176	24 HOUR	24 2AMBBS, 63 Megs
AL	Smorgasboard	205-745-3989	24 HOUR	12 BBS-PC!
AL	Bloom County ST	205-772-8526	24 HOUR	24 30 Megs, Amiga Section
AL	H.A.C.K.S.	*205-851-9827	24 HOUR	24 Two Lines
AL	Connection	*205-854-2308	24 HOUR	24 RBBS,220 Megs,Amiga Sec.



Amiga Supported Electronic Bulletin Board Systems

ST	Name	Telephone	Hours	Maximum Baud & Features
AL	Magnolia	205-854-6407	24 HOUR	24 60 Megs, Amiga Section
AL	Connection	205-854-9074	24 HOUR	24 RBBS,220 Megs,Amiga Sec.
AL	Pinson's Valley	*205-854-9661	24 HOUR	24 PCboard
AL	Pinson's Valley	*205-854-9662	24 HOUR	96 PCboard
AL	H.A.C.K.S.	*205-859-9316	24 HOUR	12 Two Lines
AL	Gateway	*205-880-7723	24 HOUR	24 OPUS
AL	68-Free ST	*205-933-7518	24 HOUR	12 Starnet, Amiga Section
AL	Outer Limits	*205-969-2052	24 HOUR	24 Genesis, 65 Megs
AL	Byte Me	*205-979-2983	24 HOUR	24
AL	Fear & Loathing	*205-985-4856	24 HOUR	24 130 Megs
AL	Asylum	*205-988-0477	24 HOUR	24 BBS-PC!, 60 Megs
AR	T.I.S. TBBS	*501-248-1931	24 HOUR	24 Needs Amiga Users
AR	FlagShip	*501-442-8777	24 HOUR	24
AR	C.I.A. BBS	501-470-0624	24 HOUR	12 C128, Amiga Section
AR	Boardwalk	*501-521-4734	24 HOUR	12 BBS-PC!
AR	Mental Ward	*501-521-8072	24 HOUR	24
AR	UBBS (U of AR)	501-568-9464	24 HOUR	12 Vax, Huge Amiga Section
AR	DMC Switchboard	*501-636-2281	24 HOUR	24 RBBS, 656 Megs
AR	Ozark Crossroads	*501-750-2410	24 HOUR	24 PCboard, Two Lines
AR	Ozark Crossroads	*501-756-2411	24 HOUR	24 PCboard, Two Lines
AZ	Bob's Ans. Mach.	602-242-3158	24 HOUR	24 Opus, Amiga Section
AZ	Database 2000	*602-242-6734	24 HOUR	24 BBS-PC!
AZ	MasterCom	602-244-8096	24 HOUR	24 BBS-PC!30 Meg,Amiga Sec.
AZ	Floyd'n Slip	*602-246-8745	24 HOUR	24 Citadel, 5 Megs
AZ	G & G BBS	*602-258-9377	24 HOUR	24 OPUS, Amiga Section
AZ	Amiga Hotline	*602-265-8268	24 HOUR	24
AZ	J.S. BBS	*602-276-6102	24 HOUR	12 Citadel
AZ	Red Zone	*602-282-2244	24 HOUR	24 BBS-PC!
AZ	Cactus Patch	*602-342-5170	24 HOUR	24
AZ	Golden Citadel	602-486-8750	24 HOUR	12 C64, Amiga Section
AZ	Amiga Advisor	*602-582-5174	24 HOUR	24 BBS-PC!
AZ	Daemon's Den	602-841-0509	24 HOUR	12 20 Megs Amiga Section
AZ	AmAz!	*602-843-6574	24 HOUR	24 BBS-PC!, 70 Megs
AZ	Bloom County	*602-843-8261	24 HOUR	24 BBS-PC!, 20 Megs
AZ	AmigaHolics	*602-843-8486	24 HOUR	24 BBS-PC!, 20 Megs
AZ	DM's Realm	*602-861-3616	24 HOUR	24 WWIV
AZ	Radio Free AZ	*602-890-0182	24 HOUR	24 Echomail
AZ	Dimension Analysis	*602-897-7778	9PM-3PM	12 LINK
AZ	Judicial Net	*602-926-9733	24 HOUR	96 OPUS
AZ	Cornerstone Manor	602-935-6519	24 HOUR	12 C64, Amiga Section
AZ	M.E.C.C.A.	*602-947-3335	24 HOUR	12 PCboard
AZ	Crossroads UNIX	*602-971-2240	24 HOUR	12
AZ	Huff'N Puff	*602-996-0033	24 HOUR	24 EBBS
CA	Amiga Techniques	*209-298-8453	24 HOUR	24 RYBBS/BIG Amiga Library
CA	64 Forum	*209-456-2533	24 HOUR	24 RYBBS
CA	Sierra Online	*209-683-4463	24 HOUR	12 Game Developer
CA	KPS Micro BBS	209-781-1344	Mid-10AM	24 60 Megs, Amiga Sec.8N1
CA	Glassell Park	*213-258-7649	24 HOUR	12 Midi
CA	Conniption	*213-277-0851	24 HOUR	24
CA	FreeZone	*213-299-1482	24 HOUR	24 WWIV, 20 Megs
CA	Amiga Exchange	*213-325-1796	24 HOUR	12 BBS-PC!
CA	Pulsar	*213-325-8925	24 HOUR	24 WWIV
CA	Private Eyes	*213-326-9860	24 HOUR	24 Custom BBS
CA	K & L BBS	*213-327-2255	24 HOUR	24 Amiga Section
CA	The Unknown BBS	*213-329-4603	2h HOUR	24 60 Megs
CA	Long Island	*213-370-4113	24 HOUR	96
CA	Tele-Web	213-372-4050	24 HOUR	12 Amiga Section
CA	P-Net UNIX	*213-376-5714	24 HOUR	12 Usenet
CA	Beach City	*213-376-9567	24 HOUR	96 OPUS
CA	Micro Service	*213-391-1351	24 HOUR	24
CA	Creative Computing	*213-394-5988	24 HOUR	24 BBS-PC!, Store
CA	Aegis Software	213-399-7316	24 HOUR	12 Aegis Developement BBS
CA	Compu-Center	213-421-1041	24 HOUR	12 Amiga Messages Only
CA	SoapBOX	*213-422-2261	24 HOUR	24 WWIV, 128 Megs
CA	Amazing UNIX 1	*213-459-5891	24 HOUR	24
CA	Serial Tree UNIX	*213-459-7231	24 HOUR	24
CA	Amazing UNIX 2	*213-459-9038	24 HOUR	24
CA	The Vacuum	*213-516-6030	24 HOUR	24 30 Megs
CA	Access-1	213-537-3378	24 HOUR	24 40 Megs, PW: Genius
CA	Machine Do	213-548-3546	24 HOUR	24 Fido,135 Megs,Amiga sec.
CA	L.A.A.U.G.	213-559-7367	24 HOUR	24 L.Angeles Amiga UserGrp.
CA	New Age BBS	213-559-4948	9PM-7AM	12 Tag BBS, Amiga
CA	The Word	*213-618-8454	24 HOUR	96
CA	Ground Zero	*213-644-3349	24 HOUR	24 WWIV
CA	Silver Lake	*213-669-8318	24 HOUR	24 BBS-PC!
CA	Digital Vision	*213-732-6935	24 HOUR	24 PCboard
CA	VideoScape	*213-756-0528	24 HOUR	24 BBS-PC!
CA	Hybrid Arts	*213-826-4288	24 HOUR	12 Midi
CA	Custom BBS	213-839-6867	24 HOUR	12 Amy/Devel.Was Flying Bug
CA	Cretans Corner	213-861-3830	24 HOUR	24 20 Meg,8N1,No time limit
CA	Shark's Head	408-247-4810	24 HOUR	12 UNIX with Amiga Sig
CA	Shrink Tank	408-257-0323	24 HOUR	12 C= Lib, Some Amiga
CA	Andronx	*408-281-2048	24 HOUR	24 250 Megs, 5 Lines
CA	SnakePit	*408-287-2353	24 HOUR	24 216 Megs, 2 Lines
CA	SnakePit	*408-287-2454	24 HOUR	24 216 Megs, 2 Lines
CA	Andronx	*408-336-2807	24 HOUR	24 250 Megs, 5 Lines
CA	Andronx	*408-338-9510	24 HOUR	24 250 Megs, 5 Lines
CA	Andronx	*408-338-9511	24 HOUR	24 250 Megs, 5 Lines
CA	Andronx	*408-338-9520	24 HOUR	24 250 Megs, 5 Lines
CA	Amiga Exchange	*408-375-1823	24 HOUR	24 PCboard, 65 Megs
CA	Stone Crest ST	*408-625-1485	24 HOUR	24 FoReM, 22 Megs
CA	The Exchange	408-659-3078	24 HOUR	12 Fido, Amiga
CA	Bay BBS	*408-723-7238	24 HOUR	24
CA	PortalSys.1	408-725-0561	24 HOUR	12 Usenet access
CA	PortalSys.2	408-725-0569	24 HOUR	24 Usenet access
CA	P.D.S.E.	*408-735-7190	24 HOUR	12 Ten Lines!
CA	HT-BBS	408-737-0900	7PM-8AM	12 BBS-PC!, Run by store
CA	Pit Stop	*408-883-2950	24 HOUR	24 CNET 128
CA	Digit Mail box	408-946-6154	24 HOUR	96 BBS-PC!,250 Megs,2 lines
CA	Amiga Addicts	415-222-9416	24 HOUR	24 User Group BBS
CA	NmtzDownPort	*415-276-3677	24 HOUR	24 Citadel, 20 Megs
CA	THE WELL	415-332-6106	24 HOUR	24 Rates $2/H + $8/Mo
CA	Action Link	*415-349-8245	24 HOUR	24
CA	Amiga West	415-355-7162	24 HOUR	12 20 Meg
CA	Network 23	*415-355-9079	24 HOUR	24 BBS-PC!
CA	Records Dept	415-426-0470	24 HOUR	24 Fido, Echomail
CA	Mega-Tokyo	*415-435-0186	24 HOUR	12 BBS-PC!
CA	Killer Blue	*415-491-4215	24 HOUR	12 BBS-PC!
CA	Amiga Connection	415-562-7097	24 HOUR	24 BBS-PC!
CA	Cat's Tail	*415-571-6204	24 HOUR	12 70 Megs
CA	Dream Machine	415-581-3019	24 HOUR	24 80+Megs, Amiga Section
CA	Phoenix RCPM	415-581-9452	24 HOUR	12 50 Megs
CA	F.A.U.G.	415-595-2479	6PM-7AM	24 24 HOUR on weekends
CA	Mad Hatter	*415-632-2203	24 HOUR	24 BBS-PC!
CA	RSVP-BBS	415-659-9169	24 HOUR	24 Opus, Amiga Section
CA	Nerd's Nook	415-672-2504	24 HOUR	96 Opus, Amiga Section
CA	Online!	*415-681-5135	24 HOUR	96 Echomail
CA	Tsunami	*415-726-2726	24 HOUR	24 BBS-PC!
CA	Winners Circle	*415-845-4812	24 HOUR	24 TBBS
CA	Home Base	*415-863-1781	24 HOUR	12 BBS-PC!
CA	Enterprise	415-895-1788	24 HOUR	12 Amiga Section
CA	BBS-JC	415-961-7250	24 HOUR	24 BBS-PC!, Amiga section
CA	Amiga Exchange	*619-223-2734	5PM-2AM	24 BBS-PC!
CA	Computer Outlet	619-282-6815	Evs/Wknd	24 Michtron, Amiga Sec.
CA	El Amigo	619-299-9804	24 HOUR	24 BBS-PC!
CA	Desert Amiga Bd	619-323-1522	24 HOUR	24 BBS-PC!, 20 Megs
CA	NFL1	*619-233-9281	24 HOUR	24 WWIV
CA	PETRA-1	*619-291-2166	24 HOUR	12 PETRA
CA	Soft Dimension	*619-423-0604	24 HOUR	24 WWIV
CA	PNet UNIX	*619-444-7006	24 HOUR	24 UseNet

Please Note:

The A.M.U.G. BBS list was last published in Amazing Computing Vol 3 Number 3. Since that time the number of Amiga supporting boards has grown from 514 numbers to 1384 numbers. The incredible growth rate may be used as an overall indicator of the Amiga's increasing acceptance in our electronic society.

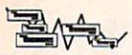
Unfortunately, not all BBS's are operating within the law. The author has made a significant effort to locate and document as many Amiga boards as possible. The accuracy of this BBS list is very high, but neither the author, Amazing Computing, PiM Publications, Inc. or its advertisers are in any position to guarantee the contents of these systems.

If you come across any bulletin board system which allows pirated software to be transmitted over phone lines, there is something you can do. The FBI is very interested in this kind of criminal activity and would appreciate any tips they receive.

Complaints of this nature are usually handled first, by your local phone company. The phone company will investigate your complaint and pass the information to the FBI.

To file a complaint, ask your operator for the phone number of your telephone company security office. If you have trouble getting that number, ask for the number of your local FBI office. Hopefully it will not be necessary to use this information, but it's nice to have a solution for the proliferation of software piracy. It is a problem you can help solve.

ST	Name	Telephone	Hours	Maximum Baud & Features
CA	ST/AMIGA Midi Net	*619-452-7535	24 HOUR	24 MichTron
CA	Mouse Trap	*619-462-3975	24 HOUR	24 BBS-PC!
CA	Prides Xing A	619-464-6271	24 HOUR	12 EBBS, Amiga Sec.,30 Megs
CA	PDSIG	*619-466-3118	24 HOUR	24 TBBS
CA	The Convent	*619-475-6187	24 HOUR	12 EBBS
CA	Far Star 1	619-480-9686	24 HOUR	24 Amiga = Section 7
CA	NAVA C128	*619-489-6975	24 HOUR	24 CNET
CA	Santee Experiment	*619-562-8758	24 HOUR	24 GENESIS
CA	PDSIG	*619-566-6329	24 HOUR	24 TBBS
CA	Dooger's Place	*619-588-8931	24 HOUR	24 Echomail
CA	Computer Blvd	*619-670-1095	24 HOUR	24 FoReM, Amiga Sec.,30Megs
CA	Final Experience	*619-670-4445	24 HOUR	96 RBBS
CA	Dream Clinic	*619-670-9522	24 HOUR	24 BBS-PC!
CA	Computers Plus	619-691-7862	24 HOUR	24 FoReM,Amiga Sec.,80Megs
CA	Surf Paradise	*619-724-9520	24 HOUR	24 WWIV, 60 Megs
CA	Far Star 2	619-726-4419	24 HOUR	24 Amiga = Section 7
CA	PDSIG	*619-727-0202	24 HOUR	24 TBBS
CA	The Zoo	*619-741-1962	24 HOUR	12 WWIV
CA	BIOcide	*619-745-2110	24 HOUR	24 WWIV, 70 Megs
CA	PDSIG	*619-749-2589	24 HOUR	24 TBBS
CA	PDSIG	*619-749-2741	24 HOUR	24 TBBS
CA	PDSIG	*619-749-3432	24 HOUR	96 TBBS
CA	PDSIG	*619-749-6222	24 HOUR	96 TBBS
CA	PDSIG	*619-749-6384	24 HOUR	96 TBBS
CA	Antarctica	619-758-3827	24 HOUR	12 Tag-BBS, Color, 2 Drives
CA	AMIC 2000	707-579-0523	24 HOUR	24 ML-TBBS, 300 Megs
CA	AStar Trek	*707-792-2572	24 HOUR	12
CA	NiteOwl	*707-823-3052	24 HOUR	24 CTDLnet,
CA	The Tarot	707-833-1805	24 HOUR	12 C64, 20 Megs
CA	Coast BBS	707-964-7114	24 HOUR	12 Erase 1st 0 at Prompt
CA	Amiga Force 1	*714-432-1643	24 HOUR	24 WWIV
CA	Gateway	*714-496-2419	24 HOUR	12
CA	FliteLine	*714-521-5811	24 HOUR	24 63 Megs
CA	C.U.T.E.	714-532-5698	24 HOUR	12 C64
CA	Silver Thorne	*714-544-3369	24 HOUR	96 Fido, Amiga Section
CA	A-T-A-C-S	*714-583-7752	24 HOUR	24 BBS-PC!
CA	ClubHouse	*714-590-0687	24 HOUR	24 Wildcat, 60 Megs
CA	Bits'N Pieces	*714-630-8897	24 HOUR	12 GUARD, 100 Megs
CA	DHW68K	*714-635-2863	24 HOUR	24 UNIX
CA	Groove Tube	*714-653-2384	24 HOUR	24 BBS-PC!
CA	Amiga Crossroads	*714-653-4802	24 HOUR	24 EBBS
CA	Temple of Syrinx	*714-653-6023	24 HOUR	12 EBBS, Midi
CA	Fox Fire	*714-656-1546	24 HOUR	24 WWIV
CA	BridgeCard	*714-761-0340	24 HOUR	24 BBS-PC!
CA	TurnKey	*714-662-7450	24 HOUR	24 UNIX, UseNet
CA	Smorgasboard	*714-669-1645	24 HOUR	24 WWIV
CA	Dragon Soft	714-671-7831	24 HOUR	24 BBS-PC!
CA	Amiga Force 2	*714-731-5195	24 HOUR	24 WWIV
CA	DCASPRO	*714-732-5569	24 HOUR	24 RBBS
CA	BridgeCard	*714-761-0340	24 HOUR	24 BBS-PC!, 20 Megs
CA	Amiga Line	714-772-4097	24 HOUR	12 BBS-PC!,Color,Many files
CA	77-Amiga	714-772-6442	24 HOUR	24 BBS-PC!, 30 Megs
CA	ToyShop	*714-786-9396	24 HOUR	12 FoReM
CA	Buena Park	*714-821-5014	24 HOUR	96 TBBS
CA	Point After	714-826-0125	24 HOUR	96 Amiga Section
CA	Hideout	*714-830-6859	24 HOUR	24 WWIV
CA	Myco-D	714-832-8016	24 HOUR	12 Amiga Section
CA	ConXchange	*714-842-5851	24 HOUR	24 UNIX
CA	Home Place	*714-849-1732	24 HOUR	24 PCboard, Amigas Sec.
CA	Home Place	*714-849-8332	24 HOUR	24 PCboard, Amigas Sec.
CA	WellSpring	*714-856-7996	24 HOUR	24 RBBS, Virus Conference
CA	Amiga Kingdom	714-886-0324	24 HOUR	24 BBS-PC!
CA	Irvine	*714-894-2246	24 HOUR	24 UNIX
CA	AlphaCom UNIX	*714-898-8634	24 HOUR	24
CA	Cavonshire	*714-857-8428	24 HOUR	24 OPUS, 40 Megs
CA	Amiga Friends	*714-870-4754	24 HOUR	12 BBS-PC!, 50 Meg
CA	DBUG C64	*714-923-1031	24 HOUR	24 CNET
CA	Rancho Amiga BBS	714-945-1020	24 HOUR	24 BBS-PC!, 60 Megs
CA	Catastrophe	*714-952-4299	24 HOUR	24
CA	ABBS-TBBS	*714-989-2499	24 HOUR	24 TBBS
CA	Light House	805-272-1812	24 HOUR	24 BBS-PC!
CA	A.V.C.U.G.	*805-272-9140	2PM-2AM	12 C128
CA	CommuniCom-80	*805-484-5040	24 HOUR	24 Phoenix
CA	C= Link	*805-485-9751	24 HOUR	24 Echomail
CA	Ventura TBBS 2	*805-487-3149	24 HOUR	24 Amiga Section
CA	Darkling Forge	*805-492-5209	24 HOUR	24 Echomail
CA	Ogres Revenge	*805-492-8485	24 HOUR	24
CA	CompuLink	*805-494-3350	24 HOUR	24 Echomail
CA	The Keep	*805-495-1479	24 HOUR	24 QBBS
CA	Atlantis	*805-498-8320	24 HOUR	12 Echomail
CA	Pipeline	*805-526-5660	24 HOUR	24 WWIV
CA	CCAN	*805-543-9386	24 HOUR	12 Wildcat
CA	CodeNameLoraine	*805-648-7833	24 HOUR	24 Wildcat,
CA	Ventura TBBS 1	805-656-3746	24 HOUR	24 Amiga section
CA	Surf OPUS	*805-735-8643	24 HOUR	96 Echomail
CA	SurfHyper	*805-736-5674	24 HOUR	24
CA	Abacus	805-832-7186	24 HOUR	24 $ Membership
CA	Amiga Project	805-834-9383	24 HOUR	24 BBS-PC! on Amiga
CA	L.O.I.S.	805-928-4225	24 HOUR	12 6line, 24hr Amiga Sec.
CA	Lancaster	*805-948-8047	24 HOUR	24 TBBS
CA	Bro's TBBS	*805-949-1389	24 HOUR	24 16 Megs
CA	The Quirk	*805-967-9357	24 HOUR	24 TAG
CA	Open Mind	*805-342-4601	24 HOUR	24 EBBS
CA	Video Shop	*818-240-1593	24 HOUR	24 Color 64
CA	1939 BBS	*818-366-3479	24 HOUR	24 OPUS, SFVAUG 2 lines
CA	1939 BBS	818-368-4248	24 HOUR	24 OPUS, SFVAUG 2 lines
CA	Twilite Zone	*818-351-9474	24 HOUR	24 Color 64
CA	Message Center	818-353-8437	24 HOUR	12 Amiga Messages Only
CA	C.A.B.B.S.	818-355-1336	24 HOUR	24 Wildcat BBS, Amiga Sec.
CA	Frog Bog II	*818-401-0448	24 HOUR	24 Wildcat, 230 Megs
CA	Blood's Bizaar	*818-506-5885	24 HOUR	12 C64
CA	Other BBS	*818-571-0718	24 HOUR	24 Wildcat
CA	Third World	*818-700-9591	24 HOUR	96 OPUS
CA	Sanctuary	*818-707-1581	24 HOUR	12 BBS-PC!
CA	Infinity	818-760-0943	24 HOUR	12 Amiga section, New Name
CA	Play House	*818-781-7529	24 HOUR	24
CA	Bill'n'r Boys	*818-883-5759	24 HOUR	24 Custom, 70 Megs
CA	Riverboat	*818-888-3221	24 HOUR	24 EBBS-HQ
CA	Amiga Productions	*818-907-0865	24 HOUR	24 BBS-PC!, 65 Megs
CA	House Atreides	818-965-7220	24 HOUR	96 SkyPics BBS, on Amiga
CA	United Computers	818-982-8495	24 HOUR	24 BBS-PC!
CA	Vatican	*818-985-7929	24 HOUR	24 WWIV
CA	Moon Shadow	*916-343-0534	24 HOUR	24 Echomail
CA	68000 BBS	916-351-1890	24 HOUR	24 ST, Amiga Section
CA	Nebula 2	*916-351-6482	24 HOUR	24 Echomail
CA	NiteLine	*916-362-1755	24 HOUR	96 Echomail, 4 lines
CA	NiteLine	*916-362-7151	24 HOUR	96 Echomail, 4 lines
CA	SIREN	*916-362-9890	24 HOUR	24 4 lines
CA	Mission Control	*916-371-1751	24 HOUR	24 Echomail
CA	Instant GURU-GT	*916-457-7176	24 HOUR	12 GT, 60 Megs
CA	SIREN	*916-483-8032	24 HOUR	24 4 lines
CA	SIREN	*916-485-2983	24 HOUR	12 4 lines
CA	SIREN	*916-485-3593	24 HOUR	12 4 lines
CA	Maximum Overdrive	*916-487-7543	24 HOUR	96 FORUM, 60 Megs
CA	NiteLine	*916-488-7517	24 HOUR	96 Echomail, 4 lines
CA	Amiga Express	*916-635-5749	6PM-11PM	12 TAG
CA	River City 2	*916-646-9678	24 HOUR	96 Echomail
CA	Another Amiga	*916-682-1740	24 HOUR	24 OPUS
CA	Amiga Link	*916-722-1133	24 HOUR	24
CA	B.C.I.S.	*916-722-7423	24 HOUR	12 Wildcat
CA	DynaSoft	*916-753-8788	24 HOUR	96 Echomail
CA	RoseVille BBS	*916-791-4298	7PM-8AM	12
CA	Gliff Station	*916-891-3410	24 HOUR	12 Echomail
CA	Garfield's	*916-894-3664	24 HOUR	24 TAG
CA	Duck 'N Fly	*916-894-8333	24 HOUR	12 TAG
CA	Psychos Lair	*916-927-7947	24 HOUR	24 OPUS
CA	Now & Zen	*916-962-1952	24 HOUR	96 Echomail
CA	Shadow Haven	*916-962-2566	24 HOUR	24 Express-ST, 110 Megs
CA	NiteLine	*916-966-0806	24 HOUR	96 Echomail, 4 lines
CA	Double Stick Tape	*916-966-5043	24 HOUR	24 Echomail
CA	Phoenix Landing	*916-966-8243	24 HOUR	24 OPUS
CO	Outer Limits	*303-221-5107	24 HOUR	24 PCboard
CO	AMNET TBBS	*303-223-1297	24 HOUR	12
CO	Amiga From Hell	*303-278-1044	24 HOUR	24
CO	USS Enterprise	*303-320-6470	24 HOUR	24 BBS-PC!
CO	Lynn's Luna-C	*303-322-4078	24 HOUR	96 Developer
CO	Arvada C68K	*303-421-3302	24 HOUR	24 BBS-PC!, 65 Megs
CO	Green Line	303-429-7145	24 HOUR	12 BBS-PC!
CO	Free Wheelin	*303-469-4954	24 HOUR	12 Citadel
CO	Boulder Fido	303-497-6968	24 HOUR	12 Amiga Section
CO	Super Base	*303-629-6746	24 HOUR	24 Support BBS
CO	The Grotto	303-694-9050	24 HOUR	12 TBBS, Amiga Section
CO	Mile High BBS	303-730-2250	24 HOUR	12
CO	Corner Pub	*303-759-8619	24 HOUR	24 Echomail
CO	C.D. Players	303-825-0419	24 HOUR	24 PCboard, Amiga Section
CO	Eagle's Nest	*303-933-0701	24 HOUR	24 QBBS, 80 Megs
CO	The Realm	*303-937-0215	24 HOUR	12
CO	Computer Repeats	*303-939-8174	24 HOUR	12 New and Used Software
CO	Ark Valley	*719-384-8221	6PM-MID	12 BBS-PC!
CO	CO Springs C=	*719-392-0830	24 HOUR	12
CO	Electric Locksmith	*719-392-2906	24 HOUR	24 Echomail
CO	Epoch 2000	*719-531-6172	24 HOUR	12 OPUS, Astronomy
CO	Sun Country	*719-544-7102	24 HOUR	PCboard, 20 Megs
CO	Comm Computer	*719-685-4333	24 HOUR	12 TBBS
CT	Squid Hell	*203-226-4116	24 HOUR	24 BBS-PC!, 41 Megs
CT	Amiga Probe	*203-235-4422	24 HOUR	12 BBS-PC!
CT	6th City	*203-261-5126	24 HOUR	24 BBS-PC!
CT	Excelsior's	*203-268-1222	24 HOUR	12 AIBBS
CT	Jukebox	*203-283-6352	24 HOUR	24 Midi
CT	STatus	*203-289-1839	24 HOUR	24 FNET
CT	Galactic HQ	*203-324-8960	24 HOUR	96 WWIV
CT	Traders Outlet	*203-324-9848	24 HOUR	24 AmiDel
CT	Underground Fido	*203-344-9295	24 HOUR	96 Echomail
CT	One-Byte	*203-444-1597	24 HOUR	24 AIBBS
CT	Jolly Roger	*203-454-2647	24 HOUR	24 BBS-PC!
CT	Merlin's Workshop	*203-454-3184	24 HOUR	24 BBS-PC!, 41 Megs
CT	Shoreline	203-468-2853	24 HOUR	12 Fido, Amiga Sec.,60Megs
CT	Private Club	*203-469-2562	24 HOUR	24 CNET 128
CT	Hide Out ST	*203-481-5728	24 HOUR	24 FoReM, 40 Megs
CT	Crystal Castle	*203-564-4327	24 HOUR	24
CT	Rod's Fido	*203-621-9936	24 HOUR	12 FIDO
CT	JCM Products	*203-628-2362	24 HOUR	24 Store
CT	Wilton Woods	203-762-8481	24 HOUR	24 Echomail, 290 Megs
CT	ComLink BBS	*203-762-9064	24 HOUR	24 XENIX, 4 lines on same #



Amiga Supported
Electronic Bulletin Board Systems

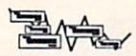
ST	Name	Telephone	Hours	Maximum Baud & Features
CT	Dead Board Ext.	*203-776-2784	24 HOUR	12 PDboard
CT	Bazaar-HQ	*203-834-2485	24 HOUR	24 ARPG
CT	NORAD	203-846-3522	24 HOUR	24 Echomail
CT	RRAGG BBS	*203-847-6235	24 HOUR	24 BBS-PC!, 100 Megs
CT	FlagShip Amiga	*203-871-6489	24 HOUR	24 BBS-PC!, 20 Megs
CT	Sinkhole Utopia	*203-873-8518	24 HOUR	24 CTDLnet
CT	The Archives	203-938-9163	24 HOUR	24 BBS-PC!, 50 Megs
DC	BJ's Corner	*202-277-4035	24 HOUR	24 Wildcat
DC	The Concourse	202-328-9737	24 HOUR	24 BBS-PC!
DC	Phantasia	*202-789-1025	24 HOUR	24 BBS-PC!
DC	Rick's Fido	*202-833-1889	24 HOUR	12 Echomail
DC	Computer Ease	202-856-3372	24 HOUR	24 SEARCH
DC	O.E.R.I.	*800-222-4922	24 HOUR	12 PCboard
DE	COM-DAT	*302-736-6848	24 HOUR	24 Wildcat, 120 Megs
DE	Lelamar	*302-738-6813	24 HOUR	24 Echomail
DE	C.A.B.	*302-764-3186	24 HOUR	24 TAG, 65 Megs
DE	L.D.C.C.C.	*302-856-3299	24 HOUR	12
FL	Ram-Soft	*305-226-3310	24 HOUR	12 Fido, Midi
FL	Soft Haus	*305-231-0965	24 HOUR	96 Echomail
FL	Vikenholm	305-258-0862	5PM-7AM	24 BBS-PC!, 65 Megs
FL	ARIA	305-435-9837	24 HOUR	24 BBS-PC!, 20 Megs
FL	Commodore Club	305-478-3008	24 HOUR	12 LOCAL user group on C64
FL	FishNet	*305-534-2422	24 HOUR	12 UNIX
FL	Nervous System	305-554-9332	24 HOUR	12 Amiga Section
FL	BBS1-PC	*305-623-8451	24 HOUR	96 Wildcat
FL	Cocoa Beach Online	305-636-2664	24 HOUR	24 Spacecoast Amiga Users
FL	Twilight Board 2	*305-641-4945	24 HOUR	24 PCboard
FL	AmComm	*305-981-8053	24 HOUR	12 BBS-PC!
FL	Sanctuary	*305-987-2345	24 HOUR	24
FL	CFAC	*407-249-0646	24 HOUR	24
FL	Third Wave	*407-249-1957	24 HOUR	12
FL	Amiga Store	*407-366-6336	24 HOUR	24 BBS-PC!
FL	RTMvax	*407-380-6228	24 HOUR	24 UNIX
FL	AMiAM	*407-383-3223	8PM-6AM	24 BBS-PC!, 22 Megs
FL	AmigaLink	407-622-7049	24 HOUR	12 BBS-PC!, 40 Megs
FL	Amiga One	*407-644-2125	8PM-4PM	24 Tag
FL	American Dream	*407-650-7763	24 HOUR	24 PCboard,Amiga Conference
FL	The Notebook	*407-655-4713	24 HOUR	12 BBS-PC!
FL	Utopia	*407-655-3561	24 HOUR	24 PCboard
FL	Recovery Room	*407-684-1478	24 HOUR	12 BBS-PC!
FL	Amiga 500 Club	*407-694-9239	24 HOUR	24 BBS-PC!
FL	Pro Amiga	*407-699-7125	24 HOUR	24 Tag
FL	Cecil's NiteOwl	*407-732-8847	24 HOUR	24 PCboard, 300 Megs
FL	DOS BBS	407-737-1644	24 HOUR	12 BBS-PC!
FL	MSS Nightline	407-790-0773	5PM-9AM	24 New # 24 Hours on Weekends
FL	MSS-HQ	407-790-0774	24 HOUR	96 # Micro Systems Software
FL	C.E.B.B.S.	*407-799-3282	24 HOUR	12 COCO, 20 Megs
FL	Commodore Forum	407-832-7369	24 HOUR	24 BBS-PC!
FL	Amiga Beach	*407-833-8692	24 HOUR	24 PCboard
FL	Wizard ST	*407-964-0334	24 HOUR	12 FoReM
FL	A.U.B.	*813-378-1077	6PM-12AM	96 OPUS
FL	The Wall	*813-526-5651	24 HOUR	12 BBS-PC!
FL	Iron Age BBS	813-527-2616	24 HOUR	12 BBS-PC!, Store
FL	Holy Grail	*813-545-1781	24 HOUR	12 BBS-PC!
FL	The Wave	813-579-8037	24 HOUR	24 Amiga
FL	Micro World	*813-677-9530	24 HOUR	24 Echomail
FL	Amiga Flight	*813-725-5876	24 HOUR	24 BBS-PC!, 50 Megs
FL	Nite Train	*813-726-8045	24 HOUR	12 BBS-PC!
FL	SpaceAge	*813-753-0335	24 HOUR	24 3 lines
FL	SpaceAge	*813-753-3615	24 HOUR	24 3 lines
FL	SpaceAge	*813-753-3721	24 HOUR	24 3 lines
FL	Pleasuredome	*813-787-4201	24 HOUR	24 3 lines 175 Meg
FL	Rendevous	*813-792-2416	24 HOUR	24 Echomail, 2 lines
FL	Rendevous	*813-794-1410	24 HOUR	24 Echomail, 2 lines
FL	Pleasuredome	813-799-3191	24 HOUR	24 3 lines 175 Meg
FL	The Swamp	*813-831-6841	24 HOUR	96 TBBS
FL	Zimm Comm	*813-922-1253	24 HOUR	24 Echomail, 5 lines
FL	Zimm Comm	*813-922-4600	24 HOUR	12 Echomail, 5 lines
FL	Zimm Comm	*813-922-3394	24 HOUR	12 Echomail, 5 lines
FL	Zimm Comm	*813-922-6655	24 HOUR	12 Echomail, 5 lines
FL	Zimm Comm	*813-923-6775	24 HOUR	12 Echomail, 5 lines
FL	Pleasuredome	813-942-1975	24 HOUR	24 3 lines 175 Meg
FL	Concepts	*813-972-0953	24 HOUR	12 C64
FL	T.B.A.G.	*813-977-0941	24 HOUR	24 BBS-PC!, 65 Megs
FL	Hermes	813-985-7624	24 HOUR	24 BBS-PC!
FL	The Hobbit Hole	904-243-6219	24 HOUR	24 BBS-PC!, 150 Megs
FL	House of Help	*904-265-4643	24 HOUR	24 TBBS, 60 Megs
FL	Sat/Com]I[	*904-378-4296	24 HOUR	24
FL	Casa Mi Amiga	*904-391-6222	24 HOUR	24 FIDO, 30 Megs
FL	OverMind	*904-477-6458	10PM-10A	12 Citadel
FL	Computer Room	*904-489-0958	24 HOUR	24 OPUS
FL	Flying Circus	*904-641-2685	24 HOUR	12 LINK
FL	Hot Muddy Duck	*904-651-8684	24 HOUR	24 TBBS
FL	Commodore Xch	904-651-8908	24 HOUR	12 BBS64, Amiga Section
FL	Two BBS	*904-682-1620	24 HOUR	96 Echomail
FL	Bedrock BBS	*904-687-2730	24 HOUR	24 BBS-PC!, 40 Megs
FL	Casa Mi Amiga	904-733-4515	24 HOUR	12 Fido, All Amiga
FL	Auschwitz	*904-744-9326	24 HOUR	24 BBS-PC!
FL	Computer Country	*904-769-9431	24 HOUR	12 20 Megs
FL	Temporal Vortex	*904-771-8589	24 HOUR	12 Homebrew
FL	221B-Baker	*904-862-9156	24 HOUR	96 OPUS, 221 Megs
FL	RSBBS	*904-863-8408	24 HOUR	96 Echomail
FL	Amiga Advantage	*904-863-8697	24 HOUR	24 OPUS, 135 Megs
GA	Alpha Complex	*404-279-0994	24 HOUR	12 Homebrew Software
GA	Amiga Atlanta	*404-321-6066	24 HOUR	24
GA	Comm. Corner	404-363-0105	24 HOUR	12 Amiga Section
GA	Life Support	*404-543-8131	24 HOUR	24 BBS-PC!
GA	Athens	*404-546-7857	24 HOUR	96
GA	AeroDrome	*404-822-0620	24 HOUR	24
GA	Ham Radio BBS	*404-949-9637	24 HOUR	24 PCboard, 65 Megs
GA	MegaByte	*404-956-7197	24 HOUR	24
GA	Mt. Olympus	*912-247-0591	24 HOUR	24 BBS-PC!
GA	Tardis	912-247-2194	24 HOUR	24 BBS-PC!
GA	The Trumpet	*912-262-0145	24 HOUR	24 BBS-PC!
GA	White Tower	912-283-9148	24 HOUR	12 BBS-PC!
GA	VSC-RBBS	912-333-5975	24 HOUR	24 Color, Amiga Section
HI	Destination Unknown	*808-239-5883	24 HOUR	24
HI	Aloha	*808-499-1101	24 HOUR	24 TBBS
HI	Serius Cyber Sys.	808-521-3306	24 HOUR	24 Amiga, BBS-PC!
HI	Enterprise	*808-948-8978	24 HOUR	24 FIDO
IA	River City	*319-359-6136	24 HOUR	24
IA	Gateway Amiga	*515-270-6091	24 HOUR	24 BBS-PC!
IA	The City	515-283-1902	24 HOUR	24 BBS-PC!
IA	Sam's Place	*515-287-1334	24 HOUR	24 BBS-PC!
ID	Higg's Hideout	*208-233-7742	24 HOUR	24 FoReM, 40 Megs
ID	Computers Online	*208-338-9187	24 HOUR	12 GBBS
ID	Gem State	*208-375-2243	24 HOUR	24
ID	Rattlesnake Sta.	*208-587-7603	24 HOUR	24 Michtron, 60 Megs
IL	Data Connection	*217-328-3500	24 HOUR	96 PCboard, 145Megs,2 lines
IL	Data Connection	*217-328-4500	24 HOUR	96 PCboard, 145Megs,2 lines
IL	Hackers Anonymous	217-333-8301	24 HOUR	12 Fido, Amiga Sec.,40Megs
IL	MultiLink	*217-356-0113	24 HOUR	12
IL	Champagne FIDO	217-359-3431	24 HOUR	24 Fido, Amiga Section
IL	Courseware BBS	*217-359-6165	24 HOUR	12 Fido, Midi
IL	Tranquility II	217-384-8173	24 HOUR	24 BBS-PC!
IL	Pallas	*217-529-3223	24 HOUR	24 UNIX
IL	Memory Expansion	*309-662-6447	Nites	12 BBS-PC!
IL	HookNet ST	*309-755-3475	24 HOUR	24 FoReM, 22 Megs
IL	Quad City Amiga	*309-762-4980	24 HOUR	24 BBS-PC!, 65 Megs
IL	Prairie	*309-828-6941	24 HOUR	24 ThemeBBS
IL	Soul Forge	*312-213-2782	24 HOUR	12 Tag
IL	CHInet	*312-283-0559	24 HOUR	24
IL	Blue Thunder	312-289-1089	24 HOUR	24 Mich, 30 Megs,Amiga Sec.
IL	Joliet Net	*312-301-2100	24 HOUR	24 UNIX
IL	BBS Chicago	*312-326-3515	24 HOUR	24 BBS-PC!, 2 lines
IL	Amiga Doc	312-351-8815	24 HOUR	96 BBS-PC!
IL	Protecto	*312-382-3270	24 HOUR	24 Amiga Section
IL	Erotica	*312-425-6061	24 HOUR	24 PCboard
IL	BBS 1984	312-484-1984	24 HOUR	96 BBS-PC!, 115 Megs
IL	DDsw1	*312-566-8909	24 HOUR	96 UNIX
IL	Computer Frontier	*312-595-7487	24 HOUR	24 BBS-PC!
IL	T.R.I.X. 1	*312-761-7887	24 HOUR	24 OPUS
IL	20/200 TBBS	*312-769-2020	24 HOUR	24 Echomail
IL	Generic TBBS	*312-790-4688	24 HOUR	24 Echomail
IL	Day of the YUGA	*312-799-4790	24 HOUR	24 OPUS
IL	Amiga Index	*312-831-4716	24 HOUR	12 BBS-PC!, 50 Megs
IL	VPnet	*312-833-8126	24 HOUR	12
IL	Cyclops	*312-839-5002	24 HOUR	24 TBBS
IL	BBS Chicago	312-842-1745	24 HOUR	96 BBS-PC!, 2 lines
IL	Last Resource	*312-858-7580	24 HOUR	24 BBS-PC!, 20 Megs
IL	Maude-2	*312-876-0974	6PM-7AM	24
IL	Micro Tech	*312-892-1554	24 HOUR	24 BBS-PC!
IL	Amiga Tech	*312-894-9917	24 HOUR	96 BBS-PC!
IL	Lattice	*312-916-1218	24 HOUR	96 Lattice C support
IL	Data Mania	*312-923-1932	Nites	12 FoReM
IL	BitWiz	*312-935-6809	24 HOUR	24 OPUS, 110 Megs
IL	Lost Worlds BBS	*618-277-6417	24 HOUR	24 Xenix, Amiga file area
IL	Execunet	*618-345-4108	24 HOUR	24 4 lines, 2 lines in MO
IL	Plato's Palace	*618-345-8913	24 HOUR	96 PCboard
IL	Phoenix	618-378-2133	5PM-8AM	24 RCPM, Use Username:GUEST
IL	SOS BBS	*618-397-7799	24 HOUR	24 BBS-PC!, On line store
IL	Execunet	*618-624-4555	24 HOUR	24 4 lines, 2 lines in MO
IL	Emerald Keep II	*618-744-0467	24 HOUR	24 Citadel, 65 Megs
IL	Pegasoft	815-284-3681	9PM-7AM	24 BBS-PC!, 41 Megs
IL	Alternate Universe	*815-429-3533	8PM-6AM	24 2AMBBS
IL	Dreaming City	*815-458-2236	24 HOUR	24 BBS-PC!, 70 Megs
IN	Vector Six	*219-234-4445	24 HOUR	24 Echomail
IN	Michiana Tech Line	*219-258-0286	24 HOUR	96 Echomail
IN	Link	*219-277-7278	24 HOUR	96 UNIX
IN	RCN MLBBS	*219-287-3358	24 HOUR	24 Echomail
IN	P.C.I.	*219-875-6430	24 HOUR	24
IN	CHUG 64	*317-352-1164	24 HOUR	12
IN	X15-Fireball	*317-435-2517	24 HOUR	24 Echomail
IN	C.P.U. Inc	317-546-4944	6PM-10AM	24 60 Megs,24Hrs Weekends
IN	Micros Inc	*317-247-5436	24 HOUR	24 Quik
IN	Realm/Claw	*317-356-5113	24 HOUR	24

ST	Name	Telephone	Hours	Maximum Baud & Features
IN	T.C. Net	*317-362-6972	24 HOUR	24 Echomail
IN	Cuckoo	*317-547-8868	24 HOUR	96
IN	Fuzzy Cellar	*317-549-3405	24 HOUR	24
IN	Critical Condition	*317-577-1930	24 HOUR	24 Citadel
IN	Handy Services	*317-831-1827	24 HOUR	12 Quik
IN	Funny Farm	*317-842-7564	24 HOUR	96 Citadel
IN	Utopia	*317-894-9553	24 HOUR	24 BBS-PC!
IN	Fort Knox	317-962-1244	24 HOUR	96 BBS-PC!, 70 Megs
IN	Digicom	*812-479-1310	6PM-8AM	24 FoReM, 110 Megs
KS	C-LTD BBS	*316-267-1222	24 HOUR	24 BBS-PC!
KS	Amig-Oz	316-283-9210	24 HOUR	24 BBS-PC! RAM: 3 Drive
KS	Scherer's Place	*316-529-1720	24 HOUR	24 TBBS, 256 Megs, 4 lines
KS	Scherer's Place	*316-529-2213	24 HOUR	24 TBBS, 256 Megs, 4 lines
KS	Scherer's Place	*316-529-3404	24 HOUR	24 TBBS, 256 Megs, 4 lines
KS	Scherer's Place	*316-529-3578	24 HOUR	24 TBBS, 256 Megs, 4 lines
KS	J & L Electonics	316-624-8068	6PM-9AM	24 Run by store
KS	Datalink	316-651-0365	24 HOUR	24 BBS-PC! On Amiga
KS	Silicon Dungeon	*316-744-2831	24 HOUR	24 PHNX, 30 Megs
KS	Wichita BBS	316-943-6030	24 HOUR	12 Amiga Msgs only
KS	Bizarre HQ	*913-541-0561	24 HOUR	24 QBBS, 20 Megs
KS	Starship Excalibur	*913-642-7401	24 HOUR	24 Echomail
KY	Dwarven Hold	*606-291-0820	24 HOUR	96 BBS-PC!
LA	GoldDust	*318-742-7550	24 HOUR	24
LA	Fire Scene	504-641-4789	24 HOUR	12
LA	Amiga Magic	*504-643-6601	24 HOUR	24 Echomail
LA	A.P.E.S.	*504-649-3872	24 HOUR	OASIS, 20 Megs
LA	Harbour BBS	504-673-8092	24 HOUR	24 BBS-PC!, 65 Megs
LA	BRACE	*504-774-7754	24 HOUR	24 BBS-PC!, 65 Megs
LA	Emerald Forest	*504-775-9636	24 HOUR	24 WWIV, Gamers
LA	Southern Street	*504-847-0660	24 HOUR	24
LA	Curtain Call	*504-851-4857	24 HOUR	24
LA	DataBank	*504-868-0938	24 HOUR	24
MA	Jones' Nose	*413-243-0034	24 HOUR	24 Echomail
MA	Pioneer Valley	*413-256-1037	24 HOUR	96 Echomail
MA	Vet Link 1	*413-443-6313	24 HOUR	12 Echomail
MA	White House	*508-222-3629	24 HOUR	12 Amiga Section
MA	Spy's Network	*508-226-6368	24 HOUR	12 Amiga Section
MA	Grey Haven	*508-264-0263	24 HOUR	24 QUIK, Game BBS
MA	ECIS	*508-372-2399	24 HOUR	24 TBBS, 2 lines
MA	ECIS	*508-373-3845	24 HOUR	24 TBBS, 2 lines
MA	Middle Earth ST	*508-393-3875	24 HOUR	24 FNet, 80 Megs
MA	Northway	*508-393-5346	24 HOUR	24 OPUS
MA	Cul De Sac	*508-429-1784	24 HOUR	24 TBBS, 3 lines
MA	Cul De Sac	*508-429-8385	24 HOUR	24 TBBS, 3 lines
MA	Cul De Sac	*508-429-8857	24 HOUR	96 TBBS, 3 lines
MA	Demons Den	*508-433-2702	24 HOUR	24 Wildcat
MA	Macro Exchange	*508-667-7388	24 HOUR	24 OPUS
MA	Black Market	*508-682-0133	24 HOUR	24 Echomail
MA	Electric Dreams	*508-682-5279	24 HOUR	96 Echomail
MA	Iron Fortress	*508-744-2551	24 HOUR	24 EBBS, 62 Megs
MA	IEEE Fido	*508-761-7988	24 HOUR	24 Fido
MA	Labyrinth	*617-222-6115	5PM-2AM	12 BBS-PC!
MA	Spy's Network	*617-226-6368	24 HOUR	24 Tag, 20 Megs
MA	Starbase	*617-264-0263	24 HOUR	12 Wildcat
MA	Hanson Haven	*617-293-7947	24 HOUR	24 BBS-PC!
MA	Channel One	*617-354-3137	24 HOUR	96 PCboard,400 Megs,3 lines
MA	Channel One	*617-354-6155	24 HOUR	96 PCboard,400 Megs,3 lines
MA	Viking Magic	*617-354-2171	24 HOUR	24
MA	Channel One	617-354-8873	24 HOUR	24 PCboard,400Megs, 3 lines
MA	Twilight Zone	*617-373-3193	6AM-10PM	12 QUIK
MA	MultiNet	*617-395-6702	24 HOUR	12 2 lines
MA	MultiNet	*617-395-9065	24 HOUR	12 2 lines
MA	IBM Tech Fido	*617-433-8452	24 HOUR	96 Echomail, 657 Megs
MA	CitiNet	*617-439-5699	24 HOUR	12 Go Amiga
MA	Harbor Lights	*617-472-1503	24 HOUR	24 Michtron, 2 nodes
MA	National Photo Con.	617-472-8612	24 HOUR	24 OPUS, Echomail
MA	4TH Dimension	*617-497-6166	24 HOUR	24 Homebrew Software
MA	Ecalpon	*617-540-6948	24 HOUR	12 QUIK
MA	Rainbow's Edge	*617-551-0495	24 HOUR	96 Echomail
MA	Toad Hall ST	*617-567-8642	24 HOUR	24 Michtron
MA	Juxtaposition	*617-568-8110	24 HOUR	24 Wildcat, 40 Megs
MA	Amiga Colony	*617-641-1629	24 HOUR	24 BBS-PC!
MA	Wonderland	617-665-3796	24 HOUR	24 NEW BAUD,Fido Amiga Sec.
MA	Exodus	*617-667-8905	24 HOUR	24 PCboard
MA	Toolbox ST	617-692-5476	24 HOUR	24 AMIS, Amiga Section
MA	Fire Plug	*617-699-0206	5AM-9PM	24 OPUS, 40 Megs
MA	Future Systems	*617-720-3600	24 HOUR	96 2 lines
MA	Future Systems	*617-720-4095	24 HOUR	96 2 lines
MA	Metropolis	*617-721-7360	24 HOUR	24 QUIK
MA	Connections	*617-729-4164	24 HOUR	24 EBBS, 23 Megs
MA	IDCMP	617-769-3172	24 HOUR	24 BBS-PC!, 105 Megs
MA	Outland	*617-769-5063	24 HOUR	24 PCboard
MA	Denis'	*617-772-6373	24 HOUR	24 OPUS, 100 Megs
MA	BCS-Net	*617-786-9788	24 HOUR	96 Echomail
MA	STarNet ST HQ	*617-839-5810	24 HOUR	24 Starnet
MA	IVY	*617-853-4079	24 HOUR	24 OPUS, 104 Megs
MA	Repair Shop	*617-856-0924	24 HOUR	12 OPUS, 30 Megs
MA	BCS BBS	617-862-5779	24 HOUR	12 Amiga Section
MA	Davy Jones Locker	617-865-0498	24 HOUR	24 Fido, 466 Megs, 2 lines
MA	Davy Jones Locker	617-865-3290	24 HOUR	96 Fido, 466 Megs, 2 lines
MA	Silicon Valley	*617-885-2543	24 HOUR	24 OPUS
MA	BladeRunner	*617-891-7338	24 HOUR	12 Citadel
MA	Hack Net OPUS	*617-942-1298	24 HOUR	12 Echomail
MA	Amiga Maniacs	617-957-3921	24 HOUR	24 PCboard, Amiga Section
MA	Total Confusion	*617-963-6147	24 HOUR	24 EMLX
MD	C= Alliance	*301-428-1960	24 HOUR	12 CNET
MD	Bayside	*301-437-6655	24 HOUR	12 50 Megs
MD	Free State	*301-551-4314	24 HOUR	24 BBS-PC!, 115 Megs
MD	STABBS	*301-564-1198	3PM-8AM	24 OPUS
MD	Harvester	*301-596-1044	24 HOUR	24 TBBS, 2 lines
MD	Amiga Dating Board	*301-636-4611	24 HOUR	24 BBS-PC!
MD	Gateway	*301-668-0356	7AM-10PM	24 20 Megs
MD	1st Sector	*301-679-3394	24 HOUR	24 123 Megs
MD	Cal Com Inc.	*301-681-8933	24 HOUR	24 Amiga, PC, ST
MD	New Con	*301-687-9417	24 HOUR	12 BBS-PC!, 30 Megs
MD	Comm-Link	*301-744-3308	24 HOUR	24 TBBS
MD	New Age BBS	*301-774-5533	24 HOUR	12 BBS-PC!
MD	Univ. Marylnd 2	301-744-8165	24 HOUR	12 Fido, Amiga Section
MD	Amiga Base	*301-760-2483	24 HOUR	24 BBS-PC!
MD	Astral Plane	*301-768-7947	24 HOUR	24 OPUS
MD	Harvester	*301-828-4572	24 HOUR	24 TBBS, 2 lines
MD	Iron Curtain	*301-843-5052	24 HOUR	24 Forum-PC
MD	Neptune	*301-869-8169	24 HOUR	12 CNET
MD	Banana	*301-882-6625	24 HOUR	96 QUIK, Echomail, 70 Megs
MD	Fun House ST	*301-924-1543	24 HOUR	24 FoReM
MD	Final Frontier	*301-947-4404	24 HOUR	12 4 lines
MD	Final Frontier	*301-947-4405	24 HOUR	24 4 lines
MD	Final Frontier	*301-947-4488	24 HOUR	12 4 lines
MD	Final Frontier	*301-947-4489	24 HOUR	12 4 lines
MD	BiFrost BBS	*301-948-6286	24 HOUR	24 BBS-PC!, New Number
MD	Atavachron	*301-953-3945	24 HOUR	24 Nova, 20 Megs
MD	Sentrax	*301-995-0436	24 HOUR	24 60 Megs
ME	Celebrity Shop	*207-374-5161	24 HOUR	24
ME	Tree Tops	*207-490-2870	24 HOUR	12 BBS-PC!, 20 Megs
ME	Isolation Ward	*207-563-8171	24 HOUR	24 RBBS
ME	Acorn BBS	*207-725-4929	24 HOUR	24 TBBS, 230 Megs, 3 lines
ME	Acorn BBS	*207-772-0156	24 HOUR	24 TBBS, 230 Megs, 3 lines
ME	Acorn BBS	207-865-3004	24 HOUR	24 TBBS, 230 Megs, 3 lines
ME	Maniac ST	*207-854-2687	24 HOUR	24 Michtron, 40 Megs
MI	George's Fido	*313-227-1573	5PM-8AM	12 40 Megs
MI	Computer Alley	*313-242-1247	24 HOUR	12 RBBS
MI	Chess Board	313-255-2456	Nights	12 C128, Amiga Section
MI	Sietch Tabr	*313-255-2767	24 HOUR	24 T.A.G., 65 Megs
MI	The Firm	*313-291-6005	24 HOUR	12 Wildcat
MI	Ultimate Force	*313-292-6167	24 HOUR	24 CNET
MI	BallRoom	*313-295-7279	24 HOUR	24 T.A.G.
MI	Boo Bear Den	*313-332-0844	24 HOUR	12 OPUS, 60 Megs
MI	Griffen BBS	*313-332-5452	24 HOUR	24 ST, Amiga Section
MI	Club II	*313-334-8877	24 HOUR	12 Fido, 30 Megs
MI	Ford Comm Club	*313-336-8986	24 HOUR	12 CNET
MI	Novi Download	313-348-4479	24 HOUR	12 348-4477 Voice 1st
MI	Slipped Disk	*313-357-7273	24 HOUR	24
MI	Union Lake Amiga	*313-363-8697	24 HOUR	24 BBS-PC!, 40 Megs
MI	Eagle One	*313-373-8163	24 HOUR	24 T.A.G.
MI	Pro-Amiga	313-386-5301	24 HOUR	12 Wildcat, 20meg
MI	The Zoo	*313-398-8983	24 HOUR	12 C64, CNET
MI	SpiriTech	*313-422-2162	24 HOUR	12 CNET
MI	W.B. BBS	*313-429-3194	24 HOUR	12
MI	OutpoST	*313-449-8544	24 HOUR	24 ST
MI	Monitor	*313-453-9183	24 HOUR	24 C64, TNET
MI	Detective Bureau	*313-495-0156	24 HOUR	24 CNET, 20 Megs
MI	D.M.A.B.	*313-537-3174	24 HOUR	24 Wildcat
MI	Wizard's Castle	*313-541-0637	24 HOUR	24 T.A.G.
MI	Cosmic Stomper	*313-547-0440	24 HOUR	24 ST, Midi BBS
MI	Nightmare	*313-563-1390	24 HOUR	12 QUIK
MI	Ken's Corner	*313-595-4895	24 HOUR	12 T.A.G.
MI	Nucleus	*313-623-6309	24 HOUR	24 UNIX
MI	The Bank	*313-649-2530	24 HOUR	12 CNET, 20 Megs
MI	The Pit	*313-651-8747	24 HOUR	24
MI	Starship Excalibur	313-662-6609	10PM-8PM	24 BBS-PC!
MI	State Street	313-663-0090	9PM-9AM	12 Express
MI	UnderWorld	*313-663-8103	24 HOUR	24 ARBBS
MI	Theummel Vision	*313-669-6945	24 HOUR	12 AWildcat
MI	Sylvan Download	*313-681-8012	24 HOUR	24 OPUS
MI	Charlie's Roost	*313-685-3313	24 HOUR	24 OPUS
MI	Night Shift	*313-697-4376	24 HOUR	12 C128, CNET
MI	Data Maxx	*313-698-1635	24 HOUR	24 OPUS, 30 Megs
MI	UtiCom	*313-739-1193	24 HOUR	24 Echomail
MI	Neon Brain	*313-747-6260	24 HOUR	12 ST, Plexus
MI	Electric Eye	*313-778-2355	24 HOUR	12 TAG, 63 Megs
MI	Infinite Reality	*313-781-0871	24 HOUR	24 Michtron
MI	Troy Amiga	313-828-3854	24 HOUR	12 ANET, 20 Megs
MI	Metro Detroit	313-893-7773	24 HOUR	12 VISION,22Megs,Amiga Sec.
MI	Rick's Corner	*313-894-2923	24 HOUR	24 Wildcat
MI	W.C.U.G.	313-971-2714	24 HOUR	24 RBBS, Amiga Section
MI	Barton Trader	*313-971-9659	24 HOUR	12 Wildcat
MI	VideOasis	*313-979-5555	9PM-10AM	12 QUIK
MI	Future World	*313-981-6150	24 HOUR	24 C64, CNET
MI	M Net	*313-994-5131	24 HOUR	12 RBBS, 3 lines

Amiga Supported
Electronic Bulletin Board Systems

ST	Name	Telephone	Hours	Maximum Baud & Features
MI	M Net	313-994-6333	24 HOUR	12 RBBS, 3 lines
MI	M Net	*313-994-6335	24 HOUR	12 RBBS, 3 lines
MI	ANet	*313-996-4644	24 HOUR	12 UNIX
MI	Light House	*517-321-0788	24 HOUR	12 Fido
MI	Light Table	*517-323-9621	24 HOUR	24 GIF
MI	Charlie	*517-695-6456	24 HOUR	24 2 lines
MI	Charlie	*517-793-1014	24 HOUR	24 2 lines
MI	Tuna Net	*601-446-6422	24 HOUR	24 BBS-PC!, 40 Megs
MI	Multi Board	616-335-5119	24 HOUR	24 BBS-PC!
MI	Multi Board JR.	*616-335-9652	24 HOUR	12 BBS-PC!
MI	Metropolis	616-342-0076	24 HOUR	96 BBS-PC!
MI	Proto Vision	616-343-7721	24 HOUR	24 Citadel, Color
MI	3rd Pentacle	*616-344-4767	24 HOUR	12 Citadel
MI	Andromeda	*616-344-5748	24 HOUR	24 40 Megs
MI	Genesis	*616-345-3372	24 HOUR	24 OPUS, 150 Megs
MI	Arcadia	*616-349-2870	24 HOUR	24 Citadel
MI	P.P.E.	*616-349-5273	24 HOUR	12 PCboard
MI	WYBBS	*616-457-1964	24 HOUR	24 UNIX
MI	The Beach	*616-665-9865	24 HOUR	12 Citadel
MI	Evans BBS	*616-866-9839	24 HOUR	12 Echomail
MI	Enterprise	*906-228-9460	24 HOUR	12 50 Megs for Amiga
MN	Haven II	*612-375-0456	10PM-8AM	12 Citadel
MN	Far Side	*612-426-2644	24 HOUR	24 TAG
MN	North/South Pole	*612-432-2090	24 HOUR	24 Emulex
MN	A.P.A.	*612-476-8307	24 HOUR	24
MN	Nick's West	*612-490-1187	24 HOUR	24 Echomail
MN	Chalk Board	*612-493-2581	24 HOUR	12 Quik
MN	Kodiak's Cave	*612-496-0403	24 HOUR	24 Amiga Section
MN	Studio	*612-496-0526	24 HOUR	12 Citadel
MN	MUBBS	*612-631-8922	24 HOUR	24 UNIX
MN	Gangup & D/L	*612-649-0093	24 HOUR	12 WWIV
MN	C.O.N.T.R.O.L.	*612-688-8166	24 HOUR	24 Echomail
MN	Miller's Amiga	*612-698-1485	9PM-9AM	24 Tag
MN	Mike's Diner	*612-755-6393	24 HOUR	24 Citadel
MN	Twin City Express	612-778-0506	24 HOUR	24 TBBS, Amiga section
MN	Computer Place	612-869-3246	6PM-10AM	24 24 Hours on weekends
MN	Images @ Twilight	612-884-7951	24 HOUR	12 Citadel
MN	Unknown TBBS	*612-926-8877	24 HOUR	12 TBBS
MN	New Eden	*612-938-8580	24 HOUR	24 Citadel
MO	MDC RCC	314-232-6881	24 HOUR	24 McDonnall Douglas Club
MO	Palace BBS	314-335-4902	24 HOUR	12 Online Games 8N1
MO	Brewery 500	*314-394-8259	24 HOUR	12 WWIV
MO	Dark Side	*314-429-7863	24 HOUR	24 Echomail
MO	Execunet	*314-451-4835	24 HOUR	24 4 lines, 2 lines in IL
MO	Execunet	*618-451-5074	24 HOUR	24 4 lines, 2 lines in IL
MO	Parthenon	314-522-1460	24 HOUR	12 WWIV, Amiga Section
MO	Knight's BBS	*314-647-5614	11PM-8AM	24
MO	Links Corner	314-772-9345	7PM-5AM	12 C64, Amiga Section
MO	MDCCommSIG	*314-837-0413	24 HOUR	24 Fido
MO	Arena	*314-846-4331	24 HOUR	96 80 Megs
MO	CUGSL	314-878-8816	24 HOUR	24 C64, Amiga Section
MO	Amiga GrapeVine	*314-869-4421	24 HOUR	24 BBS-PC!
MO	Night Shift	*314-869-7743	24 HOUR	24 2400 Baud Only!
MO	Voice of Amiga	*314-961-8084	24 HOUR	24 BBS-PC!
MO	The Fortress	*417-649-7761	24 HOUR	24 OPUS
MO	LAN-Star	*417-673-1979	5PM-7AM	96 Echomail
MO	Computer Matrix	*417-869-5294	24 HOUR	96 Echomail
MO	RTM1	*816-221-0475	24 HOUR	24
MO	Mebbsie	816-474-1052	24 HOUR	12 Amiga is section 14
MO	Amiga Central	*816-587-5360	24 HOUR	24 50 Megs
MT	TeleTrader	*406-782-3161	24 HOUR	96 BBS-PC!, 60 Megs
NC	ACCESS	*704-255-0032	24 HOUR	24
NC	GrapeVine	*704-332-7511	24 HOUR	96 RBBS
NC	Ecellerated	*704-541-9908	24 HOUR	24 2 lines
NC	Ecellerated	704-541-9909	24 HOUR	24 2 lines
NC	Chatter Box	*704-552-6971	24 HOUR	24 Echomail
NC	ProChocialite	*704-567-0029	24 HOUR	24
NC	A.F.R.	*704-667-8021	24 HOUR	24 Wildcat, 32 Megs
NC	Mountain Software	704-685-7887	24 HOUR	24 BBS-PC!, Store
NC	Micro Solutions	*704-739-2412	24 HOUR	24 RBBS
NC	Deep Thought	919-471-6436	24 HOUR	24 Software Distillery
NC	The Dungeon	*919-726-9737	24 HOUR	24
NC	Little Chip	*919-772-1277	24 HOUR	24 OPUS
NC	MMS	919-772-9176	24 HOUR	24 TBBS, 100Megs, 5 lines.
NC	MMS	*919-772-7654	24 HOUR	12 TBBS, 100Megs, 5 lines.
NC	MMS	*919-772-7806	24 HOUR	12 TBBS, 100Megs, 5 lines.
NC	MMS	919-779-5059	24 HOUR	12 TBBS, 100Megs, 5 lines.
NC	MMS	919-779-6674	24 HOUR	24 TBBS, 100Megs, 5 lines.
NC	Miga Mania	*919-788-0889	24 HOUR	24 BBS-PC!, 73 Megs
NC	Z-Board	*919-833-7435	24 HOUR	96 Echomail
NC	RedCon	*919-859-3353	24 HOUR	24 Echomail
ND	Satellite	*701-293-3934	24 HOUR	24 RBBS
NE	Wind Dragon Inn	402-291-8053	24 HOUR	24 Fido, Amiga Section
NE	GOCUG C64	*402-330-4638	Evenings	12 Run on C64
NE	Double E	*402-334-2195	24 HOUR	12 Tag, Store
NE	Lincoln Wildcat	*402-421-1963	24 HOUR	24 Wildcat
NE	IANR Software Xchg.	402-472-5412	24 HOUR	12 RBBS, 60 Megs,Amiga sec.
NE	Tuxedo Amiga	*402-571-1552	24 HOUR	12 BBS-PC!
NE	T.A.L.C.	*402-592-1745	24 HOUR	12 Echomail
NE	Crystal Castle	*402-734-2576	24 HOUR	96 FoReM, 63 Megs
NH	Computer Castle	*603-382-9084	24 HOUR	24 Genesis
NH	Outer Limits	*603-424-4915	24 HOUR	24 QUIK
NH	Quagmire	*603-433-1859	24 HOUR	96 OPUS
NH	Computer Lab	*603-742-2964	24 HOUR	24 WWIV
NH	The Tardis	603-749-1017	24 HOUR	96 PCboard, 240 Megs
NH	Gate City	*603-881-4074	24 HOUR	24 QUIK
NH	Outpost	*603-888-3840	24 HOUR	96 QUIK
NH	BBS Source	*603-888-8179	24 HOUR	96 Echomail
MH	My House BBS	*603-898-2349	24 HOUR	24 Genesis
NJ	CHAS Micro	*201-227-0489	24 HOUR	24 DBBS, 60 Megs
NJ	EB-BBS	*201-247-8252	24 HOUR	96 Fido, 380 Megs
NJ	Dad's Place	*201-249-4239	24 HOUR	24 OPUS, 130 Megs
NJ	Excalibur's Realm	201-256-0691	24 HOUR	24 BBS-PC!, 40 Megs
NJ	Party Line	*201-334-2404	24 HOUR	12 Homebrew BBS software
NJ	Computer Junction	*201-354-6979	24 HOUR	24 Wildcat, 20 Megs
NJ	Drew University	*201-377-4538	24 HOUR	24 5 lines, Amiga Sec.
NJ	High Voltage	*201-377-6639	24 HOUR	24 BBS-PC!, 65 Megs
NJ	Drew University	*201-377-6810	24 HOUR	24 5 lines, Amiga Sec.
NJ	Drew University	*201-377-7861	24 HOUR	24 5 lines, Amiga Sec.
NJ	Drew University	201-377-8193	24 HOUR	24 5 lines, Amiga Sec.
NJ	Drew University	201-377-8245	24 HOUR	12 5 lines, Amiga Sec.
NJ	Wizards	*201-379-2185	24 HOUR	24
NJ	La Villa Strangiato	201-386-9150	24 HOUR	12 BBS-PC!
NJ	Software Center	*201-392-8351	24 HOUR	12 Custom BBS
NJ	Alche-Miga	*201-398-6360	24 HOUR	12 BBS-PC!
NJ	Airbase Amiga	*201-446-2853	24 HOUR	12 Citadel
NJ	Parthenon	*201-463-0315	24 HOUR	96 QUIK, 65 Megs
NJ	Graphics Dump	201-469-0049	24 HOUR	24 GBBS, Graphics
NJ	Solar Soft	*201-484-1880	24 HOUR	24
NJ	Power Windows	*201-492-9748	24 HOUR	24 BBS-PC!, 40 Megs
NJ	MicroFone	201-494-3649	24 HOUR	12 TBBS, Echomail
NJ	MANX	201-542-2793	24 HOUR	12 Aztec C Support
NJ	JABS BBS	201-563-9057	24 HOUR	24 JAUG Board
NJ	Planet Proton	*201-564-9348	24 HOUR	12 Dragon
NJ	Cash Drawer	*201-575-1928	24 HOUR	12 80 Megs
NJ	Agoura	*201-586-9727	24 HOUR	24 Dragon
NJ	Amusement Park	*201-587-0618	9PM-7AM	12 Custom BBS
NJ	U.N.E.X.	*201-652-0969	24 HOUR	12 2 lines
NJ	U.N.E.X.	*201-670-4032	24 HOUR	12 2 lines
NJ	Possum	*201-687-7054	24 HOUR	24 Link BBS
NJ	Sonnet Center	*201-694-8122	24 HOUR	24 TBBS, 32 Megs
NJ	Megapolis	*201-740-1845	24 HOUR	24 Dragon, 70 Megs, 2 lines
NJ	Middle Earth	*201-740-9370	24 HOUR	24 2AMBBS
NJ	Soup Kitchen	201-752-2820	24 HOUR	12 "RN Amiga" @ prompt
NJ	Computer Connex	*201-798-0065	24 HOUR	24 180 Megs
NJ	Amiga Annex	201-798-1979	24 HOUR	12 Custom BBS
NJ	Sanitarium	*201-822-9373	24 HOUR	24
NJ	Cliffside Park	201-886-8041	24 HOUR	96 DBBS, 370 Megs, New Name
NJ	Magic Kingdom	*201-889-8342	24 HOUR	24 QUIK, 50 Megs
NJ	Rytgers University	201-932-3887	24 HOUR	24 Fido, 60 Megs
NJ	Dragon's Weyr	201-992-0834	24 HOUR	24 Dragon, 2 lines
NJ	Dragon's Weyr	*201-992-9891	24 HOUR	12 Dragon, 2 lines
NJ	Megapolis	*201-994-5195	24 HOUR	24 Dragon, 70 Megs, 2 lines
NJ	Groo's Lair	*201-994-7129	24 HOUR	12 2AMBBS
NJ	Penthouse	*201-998-0062	24 HOUR	12 Dragon
NJ	Land Down Under	*609-234-2650	24 HOUR	12 Citadel
NJ	Rock Lobster	609-227-8278	24 HOUR	24 BBS-PC!,22Megs, New Name
NJ	K-M-M-M	609-232-0773	24 HOUR	96 Pascal, Amiga Section
NJ	Willie's Place	*609-261-4315	24 HOUR	12 Citadel
NJ	Atlantic City	*609-266-2497	24 HOUR	24 OPUS
NJ	Mystic Island	*609-296-6474	24 HOUR	96 PCboard, 130 Megs
NJ	CC-BBS ST	*609-451-7475	24 HOUR	24 FoReM, 20 Megs
NJ	World of Mirth	*609-451-9005	24 HOUR	96 TBBS
NJ	Galt's Gulch	*609-482-6526	24 HOUR	12 Forum-PC
NJ	Atlantic Amiga	*609-625-2453	24 HOUR	96 PCboard
NJ	Galactic Keep	*609-654-7468	24 HOUR	12 Citadel
NJ	Heaven	*609-665-4158	24 HOUR	24 Genesis, 40 Megs
NJ	Paranoia Central	609-768-8174	24 HOUR	12 Amiga Section
NJ	Atlantis	*609-778-3747	4PM-2AM	12 Genesis
NJ	Micronics	*609-784-5208	24 HOUR	24 PCboard
NJ	Enchanted Toilet	*609-795-8926	24 HOUR	24 Citadel, 30 Megs
NJ	ParkCove	*609-848-9067	24 HOUR	24 C128, Cnet, 20 Megs
NJ	Jersey Devil	*609-893-2152	24 HOUR	24 Citadel
NJ	Gateway	*609-931-3014	24 HOUR	12 Citadel
NM	Albuquerque RCPM	505-299-5974	24 HOUR	24 RCPM, Amiga section
NM	The NEW M.A.E.	*505-325-2779	11PM-7AM	24 BBS-PC!
NM	Com-Net	*505-325-7625	6PM-7AM	12 BBS-PC!
NM	Fast-Kode	505-437-2280	24 HOUR	96 Amiga section, 32 Megs
NM	New Horizons	*505-437-9117	7PM-9AM	24 40 Megs
NM	Arrakis	*505-523-4405	24 HOUR	24 Atreides, 20 Megs
NV	Hubert	702-322-8877	24 HOUR	24 RBBS, Many Files
NV	Investment Haven	702-348-0998	8PM-7AM	24 RBBS, Amiga Section
NV	RC Engineering	*702-364-8721	24 HOUR	24 Wildcat
NV	The Other BBS	702-438-3625	24 HOUR	24 Wildcat, 60 Megs

ST	Name	Telephone	Hours	Maximum Baud & Features
NV	Clubhouse	*702-459-0450	24 HOUR	24 Wildcat, 20 Megs
NV	Project Six	*702-459-8378	24 HOUR	24 Wildcat, 65 Megs
NV	A.A.A. Club	*702-795-4008	24 HOUR	24 BBS-PC!, 60 Megs
NV	Entertainment Ctr.	*702-796-3214	24 HOUR	24 FoReM, 30 Megs
NY	AMUSE	212-269-4879	24 HOUR	24 Fido,1st Amiga N.Y.BBS
NY	Dorsai Embassy	212-431-1944	24 HOUR	12 256 Megs, 5 lines
NY	Dorsai Embassy	212-431-1948	24 HOUR	12 256 Megs, 5 lines
NY	Enchanted Island	*212-529-6032	24 HOUR	24 Search, 30 Megs
NY	Jesuit BBS	212-579-2869	24 HOUR	24 OPUS, Amiga Section
NY	AMUSE NewCLI	*212-619-9423	24 HOUR	24
NY	ENIAC	*212-751-2347	24 HOUR	12 OPUS
NY	Metro Chat	*212-823-1520	24 HOUR	12
NY	DA-SYS	*212-879-9031	24 HOUR	24 UNIX
NY	Dorsai Embassy	212-925-8231	24 HOUR	24 256 Megs, 5 lines
NY	Super 68000	212-927-6919	24 HOUR	96 SeaDog, Amiga Section
NY	Creatures Night	*212-933-9561	24 HOUR	24 BBS-PC!
NY	Night Flight	*212-962-3504	24 HOUR	24 BBS-PC!, 40 Megs
NY	Dorsai Embassy	212-966-6406	24 HOUR	12 256 Megs, 5 lines
NY	Dorsai Embassy	212-966-4653	24 HOUR	24 256 Megs, 5 lines
NY	Amiga Time	*315-454-3072	24 HOUR	24 BBS-PC!
NY	Microline	*315-458-8602	24 HOUR	96 QUIK
NY	Amigaline	*315-458-8690	24 HOUR	96
NY	ChipHead BBS	315-492-9071	24 HOUR	24 100% Amiga, 40 Megs
NY	Gary's BBS	*315-598-8106	24 HOUR	12 Vision
NY	Disaster Area	315-668-9216	24 HOUR	24 Amiga Section
NY	Stallman's Bay	*315-724-0624	2AM-5PM	12 Citadel
NY	MVAFix	*315-732-8598	24 HOUR	24 Citadel
NY	K.A.O.S.	*315-735-0545	24 HOUR	12 Citadel
NY	U.C.C.	*315-792-3187	24 HOUR	24 Citadel
NY	Kevin's Revenge	*516-234-2418	24 HOUR	24 Forum
NY	A.M.U.G.	516-234-6046	24 HOUR	24 100% AMIGA, 88Megs of PD
NY	Y.C.A.M.P.	516-295-0823	24 HOUR	12 Amiga Music Section
NY	Weekend Warrier	*516-328-8856	24 HOUR	24 BBS-PC!, 65 Megs
NY	Lion's Den	516-399-1928	24 HOUR	24 BBS-PC!, Amiga 1000
NY	East Coast MIDI	*516-474-2450	24 HOUR	24 MIDI, Amiga Sec. 2 lines
NY	L.I. Amigans	*516-489-2745	24 HOUR	24 BBS-PC!, 65 Megs
NY	AfterImages Sys A	516-661-9284	24 HOUR	24 Citadel,10Meg,Amiga Sec.
NY	Palace Gates	516-698-6182	24 HOUR	12 Michtron,Amiga Sec Store
NY	Software Resource	*516-736-6662	24 HOUR	12 FoReM, 20 Megs
NY	Traffic BBS	*516-696-4365	24 HOUR	24 ExpressNet, 120 Megs
NY	Mozart	*516-751-1634	24 HOUR	24 UNIX
NY	C.U.B.	516-783-0260	24 HOUR	24 BBS-PC!, 20 Megs
NY	All American BBS	*516-798-4091	24 HOUR	24 Amiga Section
NY	Network 2000	516-867-4469	24 HOUR	12 20 Megs, BBS-PC!
NY	The Guild	*516-874-8856	24 HOUR	12 ANET, 690 Megs
NY	East Coast MIDI	516-928-4986	24 HOUR	24 MIDI, Amiga Sec. 2 lines
NY	The BBS	*518-381-9757	24 HOUR	12 QUIX, 85 Megs
NY	RockCollege	*518-442-5738	24 HOUR	24 RBBS, 2 lines
NY	RockCollege	*518-442-5739	24 HOUR	24 RBBS, 2 lines
NY	Tri_City Exchange	*518-463-1427	24 HOUR	12 C64
NY	Brand X Fido	518-489-8968	24 HOUR	24 Formerly in Conneticut
NY	Castle BBS	*518-583-3646	24 HOUR	12 OPUS
NY	ESP-Net C64	*518-729-4655	6PM-7AM	12 CNET
NY	CYGNUS ST	*518-729-5506	24 HOUR	96 Citadel, 82 Megs
NY	Home Computer	716-272-0177	24 HOUR	12 RBBS, 20 Megs
NY	C.U.G.O.R.	*716-359-2233	24 HOUR	24 EBBS
NY	5th Generation	716-377-3985	24 HOUR	24
NY	Widow's Web	*716-433-9255	24 HOUR	24 BBS-PC!
NY	Data Bus	*716-654-9458	24 HOUR	12 PCboard, 90 Megs
NY	The Mouse Trap	*716-665-3395	24 HOUR	24 BBS-PC!
NY	Raven's Nest	716-833-2852	24 HOUR	24 Wildcat, 100 Megs
NY	Software Sales	716-873-5321	8PM-9AM	24 BBS-PC!, 24 Hrs Weekends
NY	F.B.I.	*718-259-9661	24 HOUR	96 Pro-Door, 160 Megs
NY	Amiga Channel	718-331-3195	24 HOUR	24 Number Change
NY	LiveLine	*718-332-1330	24 HOUR	12
NY	Gateway NRA	718-338-3501	5PM-8AM	24 24 Hours Weekends
NY	Emerald Forest	*718-339-1352	24 HOUR	24 Search, 30 Megs
NY	Adventurers Guild	*718-380-6077	24 HOUR	24 WWIV
NY	ICON-HQ	*718-492-8431	24 HOUR	24 Search, 30 Megs
NY	Wavelength	*718-531-3979	24 HOUR	24 Express, 101 Megs
NY	Brass Tacks	718-699-2564	24 HOUR	24 TBBS, Amiga Section
NY	Night Shift	*718-816-7792	24 HOUR	24 TBBS
NY	Matrix	*718-847-4289	24 HOUR	12 CNET 128
NY	Earth News	*718-891-8100	24 HOUR	12
NY	Battlefield	*718-969-8156	24 HOUR	24 Citadel
NY	APARG	*914-258-4195	24 HOUR	24
NY	Lightning Exchange	*914-265-2383	Noon/Mid	12 Homwbrew
NY	Computer Discount	914-356-2849	24 HOUR	12 Store
NY	HudsonValley Amicus	914-561-0864	24 HOUR	12 Amiga Section
NY	Electronic NY	914-735-9362	24 HOUR	24 Citadel,
NY	M & M's	*914-738-6857	24 HOUR	12 Fido
NY	Spies	*914-762-7365	24 HOUR	12 UNIX
OH	New Visions	*216-343-1176	24 HOUR	96 4 lines
OH	New Visions	*216-343-2060	24 HOUR	12 4 lines
OH	New Visions	*216-343-2064	24 HOUR	12 4 lines
OH	Firehouse	216-352-9499	24 HOUR	12 Datawest, 20 Megs
OH	New Visions	*216-364-4575	24 HOUR	24 4 lines
OH	FreeNet	*216-368-3888	24 HOUR	12 Homebrew
OH	Can-Com	*216-477-3080	24 HOUR	12
OH	Steel Valley	*216-545-0093	24 HOUR	96 OPUS
OH	CA-AUG	216-581-2284	24 HOUR	24 PCboard
OH	LCE	216-644-0028	24 HOUR	12 BBS-PC!
OH	World's End	*216-753-8791	24 HOUR	12 Tag, 20 Megs
OH	Starfleet Command	*216-758-8688	24 HOUR	12 BBS-PC!, 30 Meg
OH	North Coast	*216-781-6201	24 HOUR	24 UNIX, 2 lines
OH	Labyrinth	*216-784-5552	24 HOUR	BBS-PC!
OH	North Coast	216-953-8057	24 HOUR	24 UNIX, 2 lines
OH	Milliways	*216-953-8842	24 HOUR	24 BBS-PC!
OH	The Land	*513-254-6811	24 HOUR	24 Citadel
OH	Magic Forest	*513-339-4182	24 HOUR	96 Echomail
OH	XeNet	*513-372-3373	24 HOUR	12 Xenix
OH	Argon Forest	*513-429-3689	24 HOUR	96 PCboard
OH	Dynamic Xform	*513-721-7977	24 HOUR	24 100 Megs
OH	Imagination	513-787-3777	24 HOUR	24 FoReM, Amiga Section
OH	Pixel Palace	513-868-7675	24 HOUR	24 BBS-PC!, 30 Megs
OH	Cheech	*513-874-0832	24 HOUR	96 BBS-PC!
OH	Cinncinati Traders	*513-874-2886	24 HOUR	24 BBS-PC!
OH	A.F.I.T.	*513-878-0637	24 HOUR	12
OH	Blue Moon	*614-262-4428	24 HOUR	24 QBBS
OH	Gild AEF	*614-476-4976	24 HOUR	24 QUIK, 3 lines
OH	MIDI Info Exchange	614-848-5947	24 HOUR	12 OPUS, Amiga Section
OH	Gild AEF	614-855-1024	24 HOUR	24 QUIK, 3 lines
OH	Gild AEF	*614-855-2659	24 HOUR	24 QUIK, 3 lines
OH	Earthrise	614-868-0906	24 HOUR	24 BBS-PC!
OH	Badlands	*614-895-7209	24 HOUR	96 Echomail
OH	Dynamic Difference	*614-927-7739	24 HOUR	24 OPUS
OK	Jyer BBS	*405-286-5937	24 HOUR	96
OK	2nd Hand Software	405-354-1024	24 HOUR	24 BBS-PC!, 50 Megs
OK	MEMO BBS	*405-357-7552	24 HOUR	12 TAG
OK	Teleco	*405-391-4210	24 HOUR	96 QUIK, 2 lines
OK	Scooter's	*405-943-5206	24 HOUR	24 BBS-PC!, 30 Megs
OK	Amiga Frontier	405-624-2429	24 HOUR	24 BBS-PC!, 68 Megs
OK	Amiga Line	405-631-9040	24 HOUR	24 PCboard,New Name,107Megs
OK	Teleco	*405-670-4400	24 HOUR	96 QUIK, 2 lines
OK	MidWest MIDI	*405-721-4876	24 HOUR	12 Echomail, 2 lines
OK	MidWest MIDI	*405-733-3102	24 HOUR	24 Echomail, 2 lines
OK	AMlink	*405-755-5155	24 HOUR	24 BBS-PC!, 50 Megs
OK	Sea Hawks	*405-793-1962	24 HOUR	24 BBS-PC!, 50 Megs
OK	CMOS	*918-241-5219	24 HOUR	96 3 lines
OK	CMOS	*918-245-3456	24 HOUR	24 3 lines
OK	CMOS	*918-245-5219	24 HOUR	24 3 lines
OK	1st Amendment	*918-250-1546	24 HOUR	24 TBBS, 5 lines
OK	1st Amendment	*918-250-7082	24 HOUR	24 TBBS, 5 lines
OK	1st Amendment	*918-250-7517	24 HOUR	24 TBBS, 5 lines
OK	1st Amendment	*918-250-7854	24 HOUR	24 TBBS, 5 lines
OK	1st Amendment	*918-252-5542	24 HOUR	24 TBBS, 5 lines
OR	Zoron	*503-252-9251	24 HOUR	12 Tag
OR	Amiga Board	503-285-8750	24 HOUR	24 Custom BBS, New Number
OR	NAG BBS	503-288-1918	24 HOUR	24 BBS-PC!, 2 lines
OR	Willy World	*503-482-2265	24 HOUR	96 OPUS
OR	Three R's	*503-582-2265	24 HOUR	96 Fido, 60 Megs
OR	Episco-Board	*503-640-4467	24 HOUR	24 BBS-PC!
OR	NAG BBS	503-656-7393	24 HOUR	24 BBS-PC!, 2 lines
OR	Midnight Vortex	*503-664-3756	24 HOUR	24
OR	Highland Cats	*503-687-3137	4PM-7AM	12 FoReM
OR	ChalkBoard	*503-687-3514	4PM-7AM	12 OPUS
OR	OrtLand	503-726-1815	24 HOUR	96 Echomail & Files,2 lines
OR	OrtLand	503-746-6990	24 HOUR	96 Echomail & Files,2 lines
OR	TechBooks	*503-760-1473	24 HOUR	24 Echomail, 2 lines
OR	Insomniacs	*503-761-3003	24 HOUR	24 OPUS
OR	Lord's BBS	*503-761-6120	24 HOUR	24 CNET, 20 Megs
OR	TechBooks	*503-761-7451	24 HOUR	24 Echomail, 2 lines
OR	Event Horizon	*503-777-1459	24 HOUR	24 4 lines
OR	Event Horizon	*503-777-1578	24 HOUR	24 4 lines
OR	Event Horizon	*503-777-3676	24 HOUR	12 4 lines
OR	Event Horizon	*503-777-3794	24 HOUR	12 4 lines
OR	The Symposium	*503-935-7883	24 HOUR	24 Citadel, 92 Megs
PA	Star Command	*215-228-8759	24 HOUR	12 BBS-PC!
PA	Logon	*215-279-5921	24 HOUR	24 UNIX
PA	NighTime	*215-353-3206	24 HOUR	24 BBS-PC!, 32 Megs
PA	N.T.S.	*215-356-0860	24 HOUR	24 PCboard, 2 lines
PA	N.T.S.	*215-356-8623	24 HOUR	24 PCboard, 2 lines
PA	DELCHUG	215-363-6625	24 HOUR	24 TBBS, Amiga Section
PA	Polaris BBS	*215-364-1258	24 HOUR	24 BBS-PC!
PA	ABC Chips	*215-398-4939	24 HOUR	12 BBS64, 20 Megs
PA	Bazaar of Deva	*215-446-9285	24 HOUR	24 Wildcat
PA	Micro World	215-461-6352	24 HOUR	12 Homebrew BBS software
PA	Tower of Sorcery	*215-464-1294	24 HOUR	24 GBBS
PA	Xerxes	*215-464-2605	24 HOUR	24 BBS-PC!
PA	Somerton BBS	*215-464-6775	24 HOUR	12 BBS-PC!, 38 Megs
PA	Star Base 1	*215-493-4492	24 HOUR	12 CLR64
PA	Philadelphia Amiga	215-533-3191	24 HOUR	24 BBS-PC!, 130 Megs
PA	Lower Bux	*215-547-7009	24 HOUR	24 OPUS
PA	Millennium Falcon	*215-551-0789	24 HOUR	24 BBS-PC!
PA	Phil Area Comp Soc	*215-635-5227	24 HOUR	12 Midi
PA	The Zone	*215-647-5384	24 HOUR	96 GBBS
PA	Berk's Amiga	*215-678-7691	24 HOUR	24 BBS-PC!, 40 Megs
PA	KeyStone Info Net	215-770-0774	24 HOUR	96 BBS-PC!, 156 Megs
PA	PACS	215-842-9600	24 HOUR	24 UNIX
PA	ONIX	215-896-9020	24 HOUR	12 150 Megs, 8 Lines
PA	M.V.E.M.M.	*412-231-4055	24 HOUR	24 TBBS, Amiga = L



Amiga Supported Electronic Bulletin Board Systems

ST	Name	Telephone	Hours	Maximum Baud & Features
PA	Harvester	*412-344-1315	24 HOUR	24 Echomail, 3 lines
PA	Harvester	*412-344-1931	24 HOUR	24 Echomail, 3 lines
PA	Auto Boss	*412-384-5608	24 HOUR	96 FNet, 24 Megs
PA	Harvester	*412-391-0395	24 HOUR	24 Echomail, 3 lines
PA	Thunderbird	412-795-3994	24 HOUR	12 All Amiga
PA	Northstar	*412-881-1749	24 HOUR	24 Echomail
PA	Doctors' INN	*412-881-7757	24 HOUR	24 Echomail
PA	Beacon Hill	412-962-9514	24 HOUR	24 RBBS, Amiga Section
PA	Asylum	*412-981-5625	24 HOUR	24 Echomail
PA	Microbe	*717-252-4543	24 HOUR	24
PA	Rabbit Hutch	*717-354-5027	24 HOUR	12 Citadel
PA	The Library	717-534-1460	24 HOUR	12
PA	The Tusk	717-560-1750	24 HOUR	24 BBS-PC! on Amiga 60 Megs
PA	Sir Alan	*814-333-6728	24 HOUR	24 UNIX
PA	Coastal	*814-337-3159	24 HOUR	96 UNIX
RI	The Guild	*401-274-1695	24 HOUR	24 AmiDel, 40 Megs
RI	ENest	*401-353-5034	24 HOUR	24 4 lines
RI	ENest	*401-353-5058	24 HOUR	24 4 lines
RI	ENest	*401-353-5091	24 HOUR	12 4lines,call this # first
RI	ENest	*401-353-5104	24 HOUR	24 4 lines
RI	Telecom Central	*401-521-2931	24 HOUR	24 Echomail
RI	OMNI	*401-728-0956	24 HOUR	24 AmiDel
RI	Amiga Forum	401-732-3286	24 HOUR	12 BBS-PC!, 20 Megs
RI	Starbase	*401-949-5311	24 HOUR	24 Amidelnet
SC	Galt's Gulch	803-252-0220	24 HOUR	24 BBS-PC!, 30 Megs
SC	T.A.K.	*803-293-4575	24 HOUR	24
SC	Wolves' Den	*803-293-4940	24 HOUR	24 EBBS, 32 Megs
SC	Critical Mass	803-366-6235	24 HOUR	24 BBS-PC!
SC	Amy Able BBS	*803-552-7227	10PM-5AM	12 TAG
SC	Hyper Space	*803-576-3202	9PM-9AM	24 FoReM
SC	Animated Prism	*803-591-0312	Mid-Noon	24 PCboard
SC	Ole' Tinbrain	*803-747-2269	24 HOUR	24
SC	Roundabout	*803-791-9448	24 HOUR	24 BBS-PC!, 20 Megs
SC	Causer's Corner	803-796-3127	8PM-9AM	12 BBS-PC!, All Day Sunday
SC	Out of Sync	*803-821-2994	24 HOUR	12 TAG
SD	MultiVerse	*605-332-3191	24 HOUR	12 Citadel
SD	Dakota Infonet	*605-336-3578	24 HOUR	12 OPUS
TN	Amiga Advocate	615-228-3159	24 HOUR	24 OPUS, All Amiga
TN	Old Folk's Home	*615-265-2629	24 HOUR	24 Echomail
TN	Starship	*615-378-5087	24 HOUR	24 C128
TN	Nashville Exchange	*615-383-0727	24 HOUR	24 TBBS
TN	Abel Supply	615-453-0643	24 HOUR	12 On line store
TN	PC Solutions	*615-476-2874	6PM-7AM	24 PCboard, 20 Megs
TN	Candy Shoppe	*615-698-1456	24 HOUR	24 Wildcat, 65 Megs
TN	Comm-BBS	615-885-4162	24 HOUR	12 CNET, Amiga Sec.,20 Megs
TN	Crusader	*901-278-7233	24 HOUR	12 BBS-PC!
TX	Rising Star	214-231-1372	24 HOUR	24 Fidonet, Amiga Section 3
TX	DMUG	214-276-8902	24 HOUR	24 American Midi Users
TX	S.C.O.P.E	214-288-1537	24 HOUR	24 8N1, 60 Megs, Midi
TX	Amiga Land	*214-328-8618	24 HOUR	24 OPUS
TX	Excaliber	214-341-2775	24 HOUR	24 BBS-PC!, 165 Megs
TX	Hard Wired	*214-437-4075	24 HOUR	96 Echomail
TX	Venus	*214-686-5424	24 HOUR	24 WWIV, 65 Megs
TX	Infinite Void	*214-690-8215	24 HOUR	24 WWIV, 65 Megs
TX	Advantage	*214-699-3737	24 HOUR	24 BBS-PC!
TX	Aladdin	*214-788-4458	6PM-8AM	12 OPUS
TX	Bit Killers	*214-824-7881	24 HOUR	24
TX	TI-Voice	*512-250-4476	24 HOUR	24 UNIX, UseNet
TX	Vision Quest	*512-388-3547	24 HOUR	24 QUIK
TX	Lighthouse	*512-389-2839	24 HOUR	24 Genesis
TX	Macross	*512-435-1515	24 HOUR	24 BBS-PC!, 60 Megs
TX	AAA BBS	512-440-1041	24 HOUR	12 OPUS
TX	BBS @ the end of..	*512-452-0738	24 HOUR	12 MicroHost
TX	Amiga Connection	*512-467-6949	24 HOUR	24 LINK
TX	Sarcasm	*512-477-2312	24 HOUR	24 OPUS
TX	CTSA	*512-477-5338	24 HOUR	12 OPUS, 6 rings to connect
TX	Arcadia	*512-493-8844	24 HOUR	12 CNET
TX	Cygnus	*512-533-7509	24 HOUR	24 GBBS
TX	Starship Amiga	512-558-9732	24 HOUR	24 BBS-PC!, Amiga
TX	Puzzle Palace	*512-670-8595	24 HOUR	96 QUIK
TX	Kustom Kastle	*512-670-9386	24 HOUR	12 BBS-PC!, 65 Megs
TX	Star Wars	512-673-5355	24 HOUR	24 BBS-PC!, Amiga
TX	Ultraviolet Cafe	*512-681-4369	24 HOUR	24 BBS-PC!, 62 Megs
TX	AMICOM	*512-826-5026	24 HOUR	24 Wildcat, 62 Megs, New #
TX	New Boss	*512-835-1597	24 HOUR	24
TX	Forbidden Planet	*512-836-7117	24 HOUR	24 Echomail, 100 Megs
TX	Armadillo	*512-837-2003	24 HOUR	24 QUIK
TX	Oak Hill General	*512-892-0037	24 HOUR	12 OPUS
TX	FaultLine	*512-929-0648	24 HOUR	96 OPUS, 2 lines
TX	FaultLine	*512-929-8801	24 HOUR	96 OPUS, 2 lines
TX	Federated	*713-240-6534	24 HOUR	12 On ST
TX	Elven Guild	*713-463-2117	Weekends	24 PCboard, 65 Megs
TX	Pasadena Connection	713-487-6715	24 HOUR	12 Amiga Section
TX	Apple Astronomy	713-526-5671	24 HOUR	24 Amiga Section
TX	Phoenix	*713-785-0929	9PM-7AM	24 BBS-PC!
TX	Radar's Lil BBS	713-931-3753	24 HOUR	24 OPUS
TX	Sugarland	713-933-2440	24 HOUR	12 UNIX, UseNet
TX	Info-Line	713-977-2702	8PM-9AM	24 BBS-PC!
TX	Track][BBS	817-244-4151	24 HOUR	24
TX	MBS II Amiga	*817-690-5077	24 HOUR	96 Echomail
TX	Midnight Special	*915-673-9668	24 HOUR	96 Genesis
TX	Iconoclast	915-833-3899	24 HOUR	24 Skyline BBS (BETA)
UT	Adventure Keep	*801-268-0069	24 HOUR	24
UT	Station Amiga	*801-272-4716	24 HOUR	24 BBS-PC!
UT	Pedro's	*801-277-0272	24 HOUR	96 UNIX, UseNet
UT	Hardware Hacker	*801-363-5813	24 HOUR	12 Homebrew BBS software
UT	Armadillo	801-484-2766	24 HOUR	24 BBS-PC!
UT	Last Byte	*801-561-1643	24 HOUR	24
UT	Gateway	*801-562-1587	24 HOUR	96 Citadelnet, 103 Megs
UT	Acrylion	*801-943-2325	24 HOUR	12 Citadel
UT	Time Domain	*801-966-3561	24 HOUR	24
UT	Gandolf's Tower	*801-966-5531	24 HOUR	24 Custom BBS
UT	Broadcasters	*801-967-9716	24 HOUR	24 BBS-PC!, 65 Megs
VA	Grebyn	*703-281-7997	24 HOUR	96 UNIX
VA	Argen	703-435-5949	24 HOUR	24 PCboard, 2 lines
VA	Argen	*703-471-1874	24 HOUR	24 PCboard, 2 lines
VA	Ultimate Warrior	*703-532-9130	24 HOUR	24 BBS-PC!, 20 Megs
VA	Telenet BBS	*703-573-2246	24 HOUR	24 UNIX
VA	PCPursuit	*703-689-3561	24 HOUR	24 RBBS
VA	Coconut Telegraph	*703-953-0605	24 HOUR	24
VA	Boot Factory	*804-262-9289	24 HOUR	96 Echomail
VA	Curve	*804-288-1439	24 HOUR	24
VA	Leon's BBS	*804-346-4795	24 HOUR	24 EBBS, 40 Megs
VA	General Store	*804-425-2283	24 HOUR	24
VA	InfoShare	*804-456-9165	24 HOUR	12
VA	Amigians	*804-486-1284	24 HOUR	24 BBS-PC!
VA	Amiga East	804-499-2266	24 HOUR	24 Custom BBS, 60 Megs
VA	Nexus	804-547-1065	24 HOUR	24 BBS-PC!, 40 Meg, Amiga
VA	Aviator	*804-590-9369	24 HOUR	24 2 lines
VA	Felicia	*804-591-0736	24 HOUR	24 QUIK, Echomail
VA	Aviator	*804-748-9236	24 HOUR	24 2 lines
VA	Amiga Blues	*804-796-3631	24 HOUR	24 QUIK, 40 Megs
VA	Ferret Farm	804-846-1880	24 HOUR	12 PCboard, New Name
VA	A.L.F.A.	*804-865-8491	24 HOUR	24 PBBS, 30 Megs
VT	(C><V><U>	*802-482-2110	24 HOUR	24 2 lines
VT	(C><V><U>	*802-658-3238	24 HOUR	24 2 lines
WA	Fusion	*206-228-7995	24 HOUR	12 BBS-PC!
WA	Mystic Mansion	*206-242-6935	24 HOUR	24 FoReM
WA	Relayer	*206-282-9805	24 HOUR	24 BBS-PC!
WA	Nocturne	*206-284-7128	11PM-5AM	24 BBS-PC!
WA	XAKEPOBO MECTO	206-324-0830	24 HOUR	12 PC Clone, 30 Megs
WA	PD-Silo 2	206-347-0243	24 HOUR	12
WA	Star Shop	*206-357-5943	24 HOUR	24 BBS-PC!
WA	Eskimo North	206-361-8753	24 HOUR	24 8 lines
WA	Eskimo North	206-361-8759	24 HOUR	24 8 lines
WA	Hard Drive	*206-363-2076	24 HOUR	24 BBS-PC!
WA	Puget	*206-364-6497	24 HOUR	24 TBBS, 5 lines
WA	Eskimo North	206-365-0641	24 HOUR	24 5 lines
WA	Eskimo North	206-365-1724	24 HOUR	24 5 lines
WA	Eskimo North	206-365-5458	24 HOUR	24 5 lines
WA	Eskimo North	206-367-3837	24 HOUR	12 5 lines
WA	Eskimo North	206-367-5458	24 HOUR	24 5 lines
WA	Black Flag	*206-447-6910	24 HOUR	24 BBS-PC!
WA	Seattle Software	*206-453-1948	24 HOUR	24 Echomail
WA	Amiga-X	206-459-2487	24 HOUR	24 BBS-PC!
WA	Crystal Cavern	*206-459-7277	24 HOUR	24 OPUS
WA	Miranda Station	*206-486-0149	24 HOUR	12 TAG
WA	PD-Silo 3	206-488-4309	24 HOUR	12
WA	Puget	*206-522-6972	24 HOUR	24 TBBS, 5 lines
WA	Arcadia	*206-523-6133	24 HOUR	24 Citadel, 20 Megs
WA	Omnibus	*206-547-0227	24 HOUR	24 BBS-PC!
WA	Computers +	206-581-5155	Evenings	12 Store BBS
WA	BauHaus	*206-672-0956	24 HOUR	24 Citadelnet
WA	A.S.L.U.G.	*206-736-0956	24 HOUR	24 Wildcat, 30 Megs
WA	Puget	*206-743-0162	24 HOUR	24 TBBS, 5 lines
WA	N.W. Commodore	206-743-6021	24 HOUR	12 Club User Group
WA	Puget	*206-743-9176	24 HOUR	12 TBBS, 5 lines
WA	Puget	*206-745-6340	24 HOUR	96 TBBS, 5 lines
WA	Burrel' Ballpark	*206-752-4672	24 HOUR	96 Echomail
WA	PTC Net	*206-757-5248	24 HOUR	96 Echomail
WA	Questor	206-771-7758	24 HOUR	24 BBS-PC!
WA	Bermuda Triangle	*206-771-8420	24 HOUR	24 BBS-PC!, 80 Megs
WA	A-Link BBS	206-774-4735	24 HOUR	24 BBS-PC!, 40 Megs,2 lines
WA	PD-Silo 1	206-775-2650	24 HOUR	12 Amiga Section
WA	Compadres	*206-786-0156	24 HOUR	24 BBS-PC!
WA	A-Link BBS	206-789-2966	24 HOUR	24 BBS-PC!, 40 Megs,2 lines
WA	Cohort	*206-848-2646	6AM-10PM	96 OPUS
WA	Story Board	*206-848-5317	8AM-10PM	96
WA	PD-Express	*206-883-0194	24 HOUR	24 Fido
WA	Alki Express	206-937-5800	24 HOUR	24 BBS-PC!
WA	Space Butler	*206-941-2824	24 HOUR	12 Sanctum
WA	Spokane AUG	*509-325-5749	24 HOUR	12 BBS-PC!
WI	After Hours BBS	414-235-9164	7PM-8AM	24 5PM SAT. TO 8 AM MON.
WI	Maude	*414-241-8364	24 HOUR	24 Messages Only
WI	PSA-BBS	414-278-5390	24 HOUR	24 BBS-PC!, 124 Megs
WI	Generic BBS	414-282-4181	24 HOUR	12 OPUS, Amiga Echomail

ST	Name	Telephone	Hours	Maximum Baud & Features
WI	Forcast Office	*414-321-7872	24 HOUR	24 Echomail
WI	Pandemonium	*414-352-5982	24 HOUR	24 BBS-PC!, 30 Megs
WI	PKware	*414-352-7176	24 HOUR	24 OPUS
WI	Inner Circle	*414-355-3691	24 HOUR	12 C128
WI	Amiga Corner	*414-435-6209	10PM-7AM	12 BBS-PC!
WI	Fax's Exchange	414-466-4039	24 HOUR	24 OPUS, 135 Megs
WI	3 Pile Island	*414-483-2808	24 HOUR	12
WI	Universal	*414-496-0724	24 HOUR	96 FNET, 40 Megs
WI	Safe Harbor	*414-544-6567	24 HOUR	24 Store
WI	Amiga Exec	414-547-6619	24 HOUR	24 RYBBS, New Name
WI	Ham-Star-1	*414-548-8359	24 HOUR	24 RBBS
WI	M.A.I.N.	*414-549-5855	24 HOUR	24 Wildcat
WI	C.C.	*414-639-1564	24 HOUR	24 RBBS, 95 Megs
WI	AppleGate	414-738-1219	24 HOUR	12 OPUS, Amiga Section
WI	Bix Net	*414-764-9394	24 HOUR	24 OPUS
WI	Comm-Link	414-784-2096	24 HOUR	24 PCboard, 65 Megs
WI	East Side	*414-962-2899	24 HOUR	24
WI	M.O.O.S.I.E.	608-249-5657	24 HOUR	24 20 Megs,ST & Amiga
WI	MACUG	608-251-6612	24 HOUR	12 Commodore Users Group
WI	M.A.C.C.	608-263-6057	24 HOUR	24 RBBS, Amiga at prompt
WI	Ham-Star-2	*608-275-7576	24 HOUR	24 RBBS
WI	Amiga Works	608-838-4843	24 HOUR	12 BBS-PC!
WI	TelePhax	*608-868-4468	8AM-8PM	24 BBS-PC!, 47 Megs
WI	Daily Planet	608-873-4700	24 HOUR	24 BBS-PC!
WI	Question Authority	*715-341-6516	24 HOUR	24
WI	Data Link	*715-675-7082	24 HOUR	24 BBS-PC!, 20 Megs
WV	Checkpoint Zero	*304-342-9360	24 HOUR	12 BBS-PC!
WV	BBS-PC! WV	304-636-9097	24 HOUR	24 20 Megs, Amiga Section
WV	Graphix Connecx	304-768-9360	24 HOUR	24 20Megs, Amiga Section
WV	Challenger	*304-342-6442	24 HOUR	12 RBBS
WY	Night Owl	*307-235-5207	24 HOUR	12 Echomail
WY	Ragged Edge	*307-265-0612	24 HOUR	24 Echomail
WY	Mutton	*307-577-5118	24 HOUR	24 OPUS
WY	Prairie Chip	*307-635-0148	24 HOUR	24 FNET, 60 Megs
WY	WSM	*307-635-8366	24 HOUR	24 QUIK, 60 Megs
CANADA				
ALB	68000 Mice	*403-242-0706	24 HOUR	12
ALB	Calgary Computer	403-243-2272	24 HOUR	24 Echomail
ALB	Fly by Wire	*403-247-1728	24 HOUR	24
ALB	Farpoint Station	*403-248-9999	24 HOUR	24 Echomail
ALB	Phase 4	403-258-0844	6PM-8AM	12 24 Hour Sunday, RAM:
ALB	Arkham Asylum	*403-277-4117	3PM-9AM	24 BBS-PC!,+W-ends,New Name
ALB	Poopsie	*403-288-4481	24 HOUR	24 Citadelnet
ALB	Hindson's BBS	403-328-0322	6PM-9AM	12 32 Megs, Amiga Section
ALB	Lethbridge	*403-328-8024	24 HOUR	24 OPUS, 20 Megs
ALB	Edmonton RCPM	403-454-6093	24 HOUR	12 RCPM
ALB	MicroMax	*403-938-2225	24 HOUR	24 Echomail
MAN	AMUG MAN Users Gr	*204-786-7850	24 HOUR	24 Not a div. of A.M.U.G.
MAN	Comp-U-Lit	*204-888-5136	24 HOUR	24 Echomail
NOV	AmigaTek	*902-463-8674	24 HOUR	12
NOV	Matrix	*902-420-0382	24 HOUR	12 Citadelnet
ONT	Rose Media	*416-226-9260	24 HOUR	96 PCboard, 2 lines, 4 Gigs
ONT	CanRem	*416-231-0538	24 HOUR	96 3 lines
ONT	Inner Sphere	416-231-9392	24 HOUR	24 Tag BBS, Amiga Sec.
ONT	CanRem	*416-232-0442	24 HOUR	96 3 lines
ONT	CanRem	*416-232-1470	24 HOUR	96 3 lines
ONT	Amiga Zone	*416-245-1927	24 HOUR	12 BBS-PC!
ONT	Nomads	*416-249-5077	24 HOUR	12
ONT	Thieves' Guild	*416-267-3938	24 HOUR	96 FoReM, 32 Megs
ONT	RadioTron	*416-273-6409	24 HOUR	12 Amiga Dating board
ONT	Softor	416-265-8253	24 HOUR	24 Opus, Amiga Section
ONT	68000	*416-278-5654	24 HOUR	96 FoReM, 120 Megs
ONT	Kickstart	*416-279-0907	24 HOUR	12
ONT	Bonnie	*416-294-0381	24 HOUR	12 FoReM, 2 lines
ONT	Bay Side Systems	*416-420-9163	24 HOUR	24 BBS-PC!
ONT	AMCIS 1	416-427-0268	24 HOUR	24 Fido, Amiga section
ONT	Ontario East	*416-428-2022	24 HOUR	24 Echomail
ONT	O. Science C.	416-429-1700	24 HOUR	12 Red Ryder
ONT	M-31 BBS	*416-439-0493	24 HOUR	24 BBS-PC!
ONT	CanAm	*416-440-1459	24 HOUR	96 BBS-PC!
ONT	SLC Brampton	416-452-0408	24 HOUR	96 Opus, Amiga Section
ONT	Coalition	*416-452-6222	24 HOUR	24 BBS-PC!
ONT	East York	*416-452-8636	24 HOUR	12 C64
ONT	Enterprise	416-453-1081	6PM-7AM	12 Commlink, New Name
ONT	The Castle	*416-453-4978	24 HOUR	96 BBS-PC!, 170 Megs
ONT	Binary Connection	*416-454-5330	24 HOUR	24
ONT	Bunny's Den	*416-458-7792	24 HOUR	12 BBS-PC!
ONT	CSD Online	*416-466-6450	12PM-3AM	24 TAG
ONT	Info Exchange	*416-473-3251	24 HOUR	24
ONT	Dial a Guru	*416-481-9455	24 HOUR	96 BBS-PC!, 70 Megs
ONT	Excalibur	416-484-0607	24 HOUR	12 BBS-PC!, Amiga Section
ONT	PC PUB II	*416-487-4134	24 HOUR	24 Echomail
ONT	Metastasios	*416-487-9093	24 HOUR	12 Echomail
ONT	Hydeout	*416-497-6885	24 HOUR	24 Down weekdays 6PM-11PM
ONT	The TROFF	416-529-6710	24 HOUR	24 BBS-PC!, Store Board
ONT	Message Board	*416-536-4282	24 HOUR	24 BBS-PC!
ONT	Track 36	416-544-0011	24 HOUR	24 RBBS, 30 MEG, Amiga Sec.

PV	Name	Telephone	Hours	Maximum Baud & Features
ONT	Aero Tech	*416-630-7899	24 HOUR	24 BBS-PC!
ONT	Bonnie	*416-640-7055	24 HOUR	12 FoReM, 2 lines
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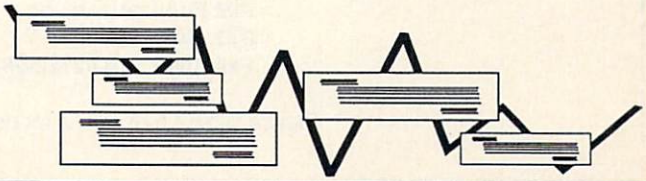

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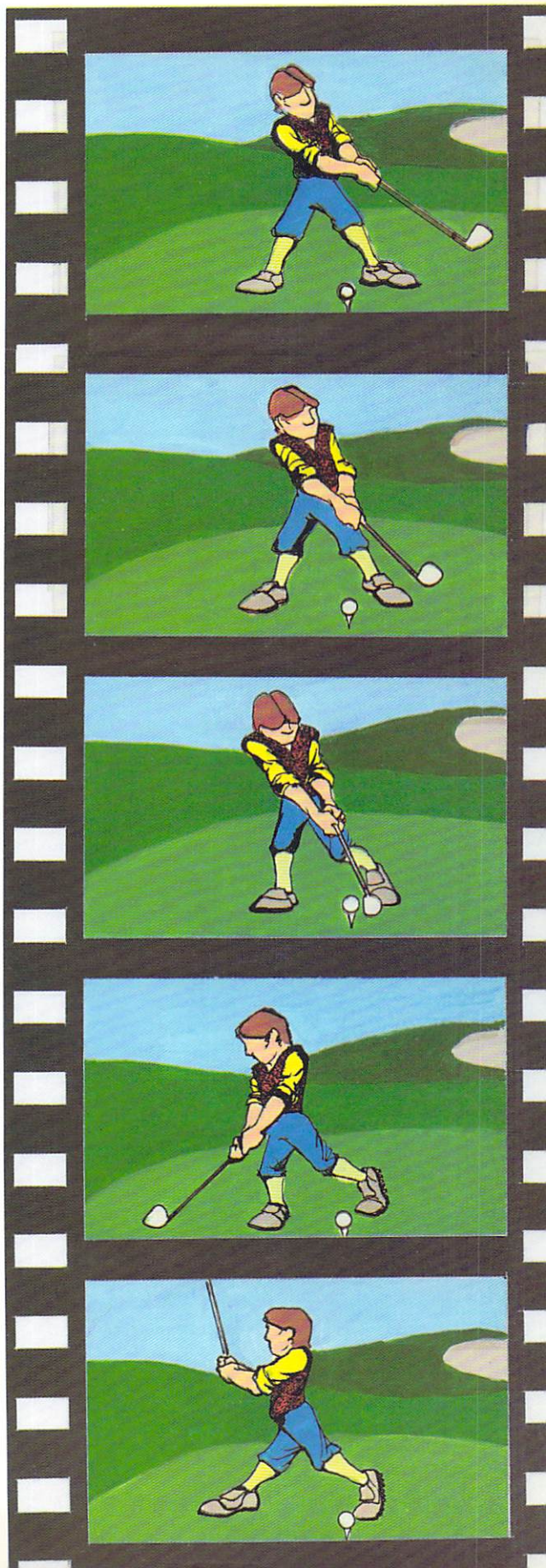

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